AA630-97

INSTITUTIONAL RESEARCH REPORT SERIES

AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY

Profile of Pharmacy Students

1989-90 Application Pool

1989-90 Degrees Conferred

- professional degrees
- graduate degrees

1990 (Fall) Enrollments

- professional degrees
- graduate degrees

First Edition
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The AACP institutional research data-gathering and analysis system has been designed to reflect information related to the 74 U.S. pharmacy colleges and schools including approximately 4,000 faculty, 30,000 students enrolled in professional programs, and 2,500 individuals pursuing graduate study. The system can efficiently provide information to characterize the pharmaceutical education enterprise and its constituents, to study trends, and to furnish information to pharmacy school administrators, organizations in higher education, and the government for use in decision making with regard to pharmaceutical and health education. For additional information regarding the AACP's Institutional Research System, contact the Association's Director of Academic Affairs.

PROFILE OF PHARMACY STUDENTS

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INTRODUCTION

The first edition of the *Profile of Pharmacy Students* (formerly published as three distinct annual reports: *Applicant Pool Report*, *Enrollments in Schools and Colleges of Pharmacy*, and *Degrees Conferred by Schools and Colleges of Pharmacy*) provides data on applicants to and students enrolled in professional and graduate degree programs at the 74 U.S. schools and colleges of pharmacy[1]. Specifically, this *Profile* is intended to present:

1) data which describe the pharmacy application pool for 1989-90 (i.e., applicants applying for admission in fall 1990);
2) degrees conferred data for 1989-90 and related long-term trends; and
3) enrollment data for fall 1990 and related long-term trends.

For the purpose of this analysis and report, programs leading to the Doctor of Pharmacy degree will be designated by *Pharm.D.1* when the degree is awarded as the first professional degree and by *Pharm.D.2* when awarded as a post-baccalaureate degree. Entry-level degrees are defined as the composite of baccalaureate degrees (B.S., B.Pharm.) and Pharm.D.1.

Readers should note the following modifications made to the Degrees Conferred section of this *Profile* report as compared to the 1988-89 *Degrees Conferred by Schools and Colleges of Pharmacy* report:

- Data for honorary degrees awarded are not reported.
- Composite data for entry-level degrees (baccalaureate, Pharm.D.1) have been added to Table A.
- Tables 6, 7, and 8 are new to this report and have been derived from data presented in Table 5.
- Table 9 corresponds to Table B in the 1988-89 report. Total columns for each degree have been added.
- Table 10 corresponds to Table C in the 1988-89 report. Total columns for each degree have been added.
- Tables 11A, 11B, 11D, 11E, and 11F correspond to Table D in the 1988-89 report. Race/ethnicity breakouts for each degree are now presented in separate tables. Table 11C presents composite data for entry-level degrees (baccalaureate, Pharm.D.1) which were not reported in 1988-89. Total columns for each race/ethnic group have been added. Tables 11A through 11F present data from 1976 through 1990. The data for 1972 through 1975 which were included in the 1988-89 report have been excluded because a different method was used for those years to report numbers of degrees conferred by race/ethnicity.
- Tables 12A through 12E are new to this report and have been derived from data presented in Tables 11A, 11B, 11D, 11E, and 11F.
- Tables 13A through 13E are new to this report and have been derived from data presented in Tables 11A, 11B, 11D, 11E, and 11F.
- Tables 14A through 14E correspond to Tables E through I in the 1988-89 report. Total columns for each race/ethnic group have been added.

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[1] *Portions of the student database component of the AACP institutional research system are available for use by individual faculty and administrators in their own research programs. Special analyses of these data may also be requested from AACP staff. For more information, please contact the AACP Office of Institutional Research.*

- Table 15 is new to this report and has been derived from data presented in Tables 16A through 16E and 17A through 17D.
- Tables 16A through 16E correspond to Table J in the 1988-89 report. Data for each discipline are now presented in separate tables.
- Tables 17A through 17D correspond to Table K in the 1988-89 report. Data for each discipline are now presented in separate tables.

Readers should note the following modifications made to the Enrollments section of this *Profile of Pharmacy Students* report as compared to the 1988-89 *Enrollments in Schools and Colleges of Pharmacy* report:

- Numbers of students enrolled are reported by expected year of graduation (i.e., "Class of XX") rather than year in program (final year, second last, third last, etc.) to facilitate comparisons across schools with different curricular structures (0-5, 2-3, etc.) and across entry-level degree programs.
- Table 29D corresponds to Table L in the 1988-89 report.
- Tables 31A through 31E correspond to the series of tables labeled as Table N in the 1988-89 report.
- Tables 33A through 33E correspond to the series of tables labeled as Table P in the 1988-89 report.
- Data on the type (pharmacy or non-pharmacy) and source (U.S. school, Canadian school, foreign school) of previous degrees earned by students enrolled in graduate programs are reported by discipline in Table 36 and Table 37 for the first time in this report.

METHODS

The following definitions refer to the race/ethnicity groups as used in this report. *White*, *Black*, and *Hispanic* refer to students of the respective race/ethnicity who are U.S. citizens or permanent residents of the U.S. or its territories. The *Asian* group includes students who are Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, or Pacific Islanders who are U.S. citizens or permanent residents of the U.S. or its territories. The *American Indian* classification includes native Americans, Eskimo, and Aleut who are U.S. citizens or permanent residents of the U.S. or its territories. Students listed under *Other* are those who are U.S. citizens or permanent residents of the U.S. or its territories, but for whom race/ethnicity is unknown. Included in *Foreign* are all students who are foreign and are non-permanent residents of the U.S., regardless of race/ethnicity.

The data reported in this *Profile* report were obtained using three separate survey instruments.

APPLICATION POOL

The 1989-90 Application Pool Survey was mailed in spring 1990 to the dean at each of the 74 schools and colleges of pharmacy in the U.S. Return of the completed forms was requested by June 1990. After follow-up correspondence and phone calls, 62 of the 74 schools (83.8 percent) submitted the requested information. Included in the application pool are students who applied for admission, submitted all required application materials, met other eligibility requirements, and were considered by an Admissions Committee during the academic year September 1989 to August 1990 for the entering class of fall 1990. Numbers reported represent the number of applications, not applicants, and may represent multiple applications submitted by individual applicants.

DEGREES CONFERRED

The 1989-90 Degrees Conferred Survey was mailed in August 1990 to the dean at each of the 74 schools and colleges of pharmacy in the U.S. Return of completed forms was requested by October 1990. After follow-up correspondence and phone calls, a 100 percent response was achieved in November 1990. Draft tables of submitted data were prepared and returned to the dean at each school for verification in December 1990. Verifications were received from 73 of the 74 schools by the end of February 1991.

The data submitted by each school were compared with the data submitted for the previous year. There was one case where the data appeared to be inconsistent. After the institution was contacted, it was discovered that enrollment data had been submitted instead of degrees conferred data. Corrections were made subsequently.

ENROLLMENTS

The 1990 Enrollment Survey was mailed in October 1990 to the dean at each of the 74 schools and colleges of pharmacy in the U.S. Return of completed forms was requested by November 1990. Follow-up telephone calls were made to non-responding schools and to those submitting incomplete data. A 100 percent response rate was achieved in February 1991.

ACKNOWLEDGEMENT

The American Association of Colleges of Pharmacy wishes to express its appreciation to the deans of its member institutions and members of their faculty and staff who devoted their valuable time to complete the surveys which led to this report. The 100 percent return for two of the surveys is testimony to their commitment to the goals of this report.

HIGHLIGHTS OF RESULTS

1989-90 APPLICATION POOL

- From September 1989 through August 1990, there were 2.7 applications received by schools of pharmacy for every one entering student enrolled in fall 1990. This same ratio for 1988-89 was 2.8 applications for every one entering student enrolled in fall 1989.
- For the 58 schools reporting application data for both 1988-89 and 1989-90, there was a 2.8% increase in the number of applications received.
- The majority (60.8 percent) of the applications were submitted by females; 39.2 percent were submitted by males.
- The average age of the applicants was 22.3 years.
- Under-represented minorities submitted 10.4 percent of the applications (black, 5.5 percent,; Hispanic, 4.7 percent; American Indian, 0.2 percent).
- Over 20 percent (21.3 percent) of the applications were submitted by individuals who had previously obtained a post-secondary degree (associate, 4.3 percent; baccalaureate, 16.0 percent; masters, 0.9 percent; doctorate, 0.1 percent).
- The majority (68.9 percent) of applications received by schools and colleges of pharmacy were submitted by in-state residents.

DEGREES CONFERRED 1989-90

PROFESSIONAL DEGREES (baccalaureate, Pharm.D.)

- White Americans received the majority of baccalaureate degrees awarded in 1989-90 (77.8 percent). Under-represented minorities earned 9.4 percent of the baccalaureate degrees awarded (black, 5.6 percent; Hispanic, 3.7 percent; American Indian, 0.1 percent). Asian Americans earned 6.0 percent of the baccalaureate degrees awarded.
- The percentage of baccalaureate degree recipients who were foreign, non-permanent residents of the U.S. was 5.2 percent, down from 6.6 percent in 1988-89.
- More Pharm.D.1 degrees were awarded in 1989-90 than in any previous year. There was a 12.8 percent increase in the number of Pharm.D.1 degrees awarded in 1989-90 over the number awarded in 1988-89.
- White Americans received the majority of Pharm.D.1 degrees awarded in 1989-90 (66.5 percent). Under-represented minorities earned 6.4 percent of the baccalaureate degrees awarded (black, 3.1 percent; Hispanic, 3.1 percent; American Indian, 0.2 percent). Asian Americans earned 23.7 percent of the baccalaureate degrees awarded.
- The percentage of Pharm.D.1 degree recipients who were foreign, non-permanent residents of the U.S. was 3.5 percent, as it was in 1988-89.
- The total number of entry-level degrees awarded continued an upward annual trend which began in 1984-85. The number awarded in 1989-90, 6,956, represented a 6.0 percent increase over the number awarded in 1988-89.
- Of the entry-level graduates in 1989-90, 86.4 percent received baccalaureate degrees and 13.6 percent received Pharm.D.1 degrees.
- Men received 40.0 percent of the entry-level degrees awarded in 1989-90; women received 60.0 percent.

- Seventy-one (71) of 72 schools and colleges of pharmacy reported degrees conferred data to AACP in 1979-80. Sixty-five (65) those schools awarded only baccalaureate degrees as entry-level degrees. Four (4) schools awarded both baccalaureate and Pharm.D.1 degrees, and 2 schools and colleges awarded only the Pharm.D.1 degree. In 1989-90, entry-level degrees were awarded by 74 schools and colleges of pharmacy. Fifteen (15) schools and colleges awarded both baccalaureate and Pharm.D.1 degrees, and 9 colleges awarded only the Pharm.D.1 degree.

- During the first half of the decade from 1979-80 to 1989-90, the numbers of entry-level degrees awarded declined on an annual basis. The current trend of annual increases in the number of entry-level degrees awarded began in 1985-86. These annual increases have ranged from 0.9 percent (1986-87) to 6.0 percent (1988-89, 1989-90).

- The number of Doctor of Pharmacy degrees awarded annually as first professional degrees (Pharm.D.1) more than doubled from 1979-80 to 1989-90.

- The number of baccalaureate degrees awarded to all racial/ethnic groups rose between 1979-80 and 1989-90, except to white students (decreased 22.8 percent) and to Hispanic students (decreased 12.1 percent).

- More students in all racial/ethnic groups received Pharm.D.1 degrees in 1989-90 than in 1979-80, except for American Indian students (decreased 33.3 percent).

- The number of Pharm.D.2 degrees awarded increased by 80 over 1988-89, an increase of 36.0 percent. The number awarded in 1989-90 (n=302) was 67.8 percent higher than the number awarded in 1979-80 (n=180).

- More women than men received Pharm.D.2 degrees in 1989-90: men, 39.1 percent; women, 60.9 percent.

- The number of Pharm.D.2 degrees awarded to students in all racial/ethnic groups increased from 1979-80 to 1989-90, except for American Indian students were there was no change (only two American Indian students earned Pharm.D.2 degrees during the 10-year period between 1979-80 and 1989-90).

- The percentage of Pharm.D.2 degree recipients who were foreign, non-permanent residents of the U.S. was 7.0 percent, down from 11.3 percent in 1988-89.

GRADUATE DEGREES (M.S. and Ph.D.)

- The numbers of M.S. and Ph.D. degrees awarded both decreased from the numbers awarded in 1988-89: M.S. degrees decreased by 1.5 percent, Ph.D. degrees decreased by 4.9 percent.

- The number of Master of Science (M.S.) degrees awarded peaked at 465 in 1979-80 and has shown annual increases and decreases over the 10 years since. The number awarded in 1989-90, 385, represented a decline of 17.2 percent over the 1979-80 level.

- The number of Doctor of Philosophy (Ph.D.) degrees awarded peaked at 287 in 1988-89. While the number of Ph.D. degrees awarded in 1989-90 was somewhat lower (n=273), it represented an increase of 44.4 percent over the number of Ph.D. degrees awarded in 1979-80.

- More men continue to earn M.S. and Ph.D. degrees than women, although the gap has narrowed since 1979-80 [M.S.– men, 52.5 percent; women, 47.5 percent] [Ph.D.– men, 66.3 percent; women, 33.7 percent].

- From 1979-80 to 1989-90, the largest increases in the number of M.S. degrees conferred were for Hispanic students (increased 266.7 percent) and American Indian students (one student earned an M.S. degree in 1989-90 and none in 1979-80 for an increase of greater than 100 percent). There was a decline of 30.1 percent in the number of M.S. degrees earned by white students.

- There was an increased number of Ph.D. degrees conferred to each racial/ethnic group in 1989-90 as compared to 1979-80, except for Hispanic students and American Indian students were there was no change.

- Under-represented minorities earned 6.3 percent of the M.S. degrees awarded in 1989-90 (black, 3.1 percent; Hispanic, 2.9 percent; American Indian, 0.3 percent), an increase from 3.8 percent in 1988-89. Asian Americans earned 7.3 percent of the M.S. degrees awarded.

- The percentage of M.S. degree recipients who were foreign, non-permanent residents of the U.S. was 30.1 percent, down from 31.7 percent in 1988-89.

- The majority of M.S. degrees awarded were in the discipline of pharmaceutics/pharmacy/pharmaceutical sciences (33.8 percent). The next highest number of M.S. degrees were awarded in pharmacy administration (24.4 percent), followed by pharmacology/toxicology (16.6 percent), medicinal chemistry/pharmacognosy (15.3 percent), and pharmacy practice (9.9 percent).

- Under-represented minorities earned 3.0 percent of the Ph.D. degrees awarded in 1989-90 (black, 2.6 percent; Hispanic, 0.4 percent; American Indian, 0.0 percent), an increase from 2.8 percent in 1988-89. Asian Americans earned 8.8 percent of the M.S. degrees awarded.

- The percentage of Ph.D. degree recipients who were foreign, non-permanent residents of the U.S. was 30.0 percent, down from 38.0 percent in 1988-89.

- The majority of Ph.D. degrees awarded were in the discipline of pharmaceutics/pharmacy/pharmaceutical sciences (43.6 percent). The next highest number of Ph.D. degrees were awarded in medicinal chemistry/pharmacognosy (26.0 percent), followed by pharmacology/toxicology (23.8 percent), and pharmacy administration (6.6 percent). No Ph.D. degrees were awarded in pharmacy practice in 1989-90.

FALL 1990 ENROLLMENTS

- In fall 1990, there were 29,797 students enrolled in entry-level degree programs; 24,252 in baccalaureate degree programs and 5,545 in Doctor of Pharmacy degree programs.

- The 0.8 percent increase over 1989 entry-level enrollments continued a trend of annual increases which began in 1984.

- The percentage of females enrolled in entry-level degree programs has increased from 47.4 percent in 1980 to 62.4 percent in 1990.

- The presence of under-represented minorities continued to increase in entry-level degree programs; enrollments of black Americans increased by 6.1 percent, Hispanic Americans increased by 2.0 percent, and enrollments of American Indians increased by 4.9 percent. Under-represented minorities now account for 11.0 percent of entry-level enrollments.

- There were 536 post-baccalaureate students enrolled full-time in Doctor of Pharmacy degree programs; a 21.3 percent increase over the number enrolled in fall 1989.

- At both the M.S. and Ph.D. levels, the greatest number of students were enrolled in the discipline of pharmaceutics/pharmacy (30.7 percent of M.S. students, 38.2 percent of Ph.D. students).

- Females accounted for 45.3 percent of the students enrolled in M.S. degree programs and 37.8 percent of the students enrolled in Ph.D. programs.

- The percentage of M.S. students who were under-represented minorities (black, Hispanic, American Indian) increased from 4.7 percent in 1989 to 7.1 percent in 1990.

- The percentage of Ph.D. students who were under-represented minorities (black, Hispanic, American Indian) increased from 3.6 percent in 1989 to 4.4 percent in 1990.

- Of all full-time and part-time graduate students (M.S. and Ph.D.), 59.1 percent hold a professional pharmacy degree; 30.6 percent from a U.S. school of pharmacy, 28.4 percent from a non-U.S. school of pharmacy.

RESULTS

1989-90 APPLICATION POOL

During the period September 1989 through August 1990, 17,659 applications for admission were received by the 62 reporting schools [Table 1]. When compared with entering class enrollment data for fall 1990 at these schools, the resultant ratio was 2.7 applications received for every one entering student enrolled. The corresponding data for the 66 schools reporting for the same period in 1988-89 were 19,233 applications received; 2.8 applications for every one entering student enrolled in fall 1989.
For the 58 schools reporting application data for both 1988-89 and 1989-90, there was a 2.8 percent increase in the number of applications received.

In 1989-90, 60.8 percent of the applications to pharmacy schools were submitted by females, 39.2 percent were submitted by males. The average age of the applicants was 22.3 years. The majority of applications were submitted by white Americans (68.1 percent). Asian Americans submitted 12.7 percent of the applications. Under-represented minorities submitted 10.4 percent of the applications (black, 5.5 percent,; Hispanic, 4.7 percent; American Indian, 0.2 percent). Over 3 percent of the applications to entry-level pharmacy programs were submitted by foreign, non-permanent residents [Table 2]. The majority of applications received by schools of pharmacy were submitted by in-state residents (68.9 percent) [Table 3].

The average incoming grade point average of the applicants was 2.99/4.00. Previous post-secondary experience of the applicants v as reported by 46 schools. Over 20 percent (21.3 percent) of the applications were submitted by individuals who had previously obtained a post-secondary degree (associate degree, 4.3 percent; baccalaureate degree, 16.0 percent; masters, 0.9 percent; doctorate, 0.1 percent) [Table 4].

DEGREES CONFERRED

ENTRY-LEVEL PROFESSIONAL DEGREE PROGRAMS

Data that represent the numbers of entry-level degrees conferred by U.S. schools and colleges of pharmacy are presented in Tables 5 through 10, Tables 11A through 11C, and Tables 12A, 12B, 13A, 13B, 14A and 14B. The numbers of entry-level degrees conferred over time are displayed in Figures A through C.

In 1989-90, 24 schools and colleges awarded the entry-level Doctor of Pharmacy (Pharm.D.1) degree. Of those schools, 15 awarded both the baccalaureate and Pharm.D.1 degrees and nine schools awarded only the Pharm.D.1 degree. One school completed the transition to awarding only the Pharm.D.1 degree in 1989-90, having graduated its final baccalaureate class in 1988-89. Graduating baccalaureate class sizes in 1989-90 ranged from 2 students to 231 students (median, 82 students). Graduating Pharm.D.1 class sizes ranged from 2 students to 130 students (median, 24 students) [Table 9].

Of the entry-level degrees awarded by schools and colleges of pharmacy in 1989-90 (n=6,956), 86.4 percent (n=6,010) were baccalaureate degrees and 13.6 percent (n=946) were Pharm.D.1 degrees. Pharm.D.1 degrees awarded in 1988-89 accounted for 12.7 percent of the entry-level degrees awarded [Table 6]. The total number of entry-level degrees awarded in 1989-90 (n=6,956) represented a 6.0 percent increase over the total number of entry-level degrees awarded in 1988-89 (n=6,560). This continued a trend of annual increases in the number of entry-level degrees awarded which began in 1985-86. The number of entry-level degrees awarded peaked in 1977 at 8,011. The number of baccalaureate degrees awarded in 1989-90 (n=6,010) represented an increase of 5.1 percent over the number awarded in 1988-89 (n=5,721). More Pharm.D.1 degrees were awarded in 1989-90 than in any previous year. There was a 12.8 percent increase in the number of Pharm.D.1 degrees awarded in 1989-90 (n=946) over the number awarded in 1988-89 (n=839).

To gain a perspective on the attrition of students from classes as they move toward graduation, entry-level degree enrollments for the class of 1990 in 1987-88 (when students were in the third to last year of the program) were compared with the number of students awarded an entry-level degree in 1989-90. This comparison shows a loss of 11.5 percent over the three years. This loss is smaller than what occurred

several previous years (14.1 percent for the class of 1989, 12.9 percent for the class of 1988, 14.5 percent for the class of 1987). However, as calculated, it may not represent a true measure of attrition as some students may have experienced difficulty (academic, health, etc.) and only delayed progress toward graduation.

Ten-year Comparisons

Of the entry-level degrees awarded by schools and colleges of pharmacy in 1979-80 (n=7,439), 94.0 percent (n=6,985) were baccalaureate degrees and 6.0 percent (n=454) were Pharm.D.1 degrees. In 1989-90, 86.4 percent of the entry-level degrees awarded were baccalaureate degrees and 13.6 percent were Pharm.D. degrees [Table 6]. The number of entry-level degrees awarded in 1989-90 represented a decline of 6.4 percent over the number awarded in 1979-80. There was a decrease of 14.0 percent in the number of baccalaureate degrees awarded and the number of Doctor of Pharmacy degrees awarded as the first professional degree (Pharm.D.1) more than doubled between 1979-80 and 1989-90 (i.e., 111.6 percent more Pharm.D.1 degrees were awarded in 1989-90 than in 1979-80) [Table 7].

Gender Comparisons. In 1979-80, 59.5 percent (n=4,154) of the baccalaureate degrees awarded by schools and colleges of pharmacy were earned by men and 40.5 percent (n=2,831) earned by women. During the past 10 years, these percentages have shifted gradually and, in 1989-90, 39.8 percent (n=2,393) of the baccalaureate degrees conferred were earned by men and 60.2 percent (n=3,617) of these degrees were earned by women. The number of baccalaureate degrees earned by women increased by 27.8 percent in 1989-90 over 1979-80. Of the Pharm.D.1 degrees awarded in 1989-90 (n=946), 41.0 percent (n=388) were earned by men and 59.0 percent (n=558) were earned by women. For the past two years (1988-89 and 1989-90), 40.0 percent of entry-level degrees were earned by men and 60.0 percent were earned by women [Table 8].

Race/Ethnic Group Comparisons. The number of baccalaureate degrees awarded to blacks, Asian/Pacific Islanders, and American Indians rose between 1979-80 and 1989-90, while the numbers of degrees awarded to white students and to Hispanic students decreased. The number of baccalaureate degrees awarded to white students in 1989-90 (n=4,674) was 22.8 percent fewer than the number awarded in 1979-80 (n=6,054). The number of baccalaureate degrees earned by Hispanic students in 1989-90 (n=225) was 12.1 percent less than the number earned in 1979-80 (n=256). Under-represented minorities earned 9.5 percent of the baccalaureate degrees awarded in 1989-90 [black, 5.6 percent (n=399); Hispanic, 3.7 percent (n=225); American Indian, 0.1 percent (n=9)]. In the previous year (1988-89), under-represented minorities earned 8.7 percent of the baccalaureate degrees awarded [black, 4.6 percent (n=262); Hispanic, 4.0 percent (n=226); American Indian 0.2 percent (n=9)]. Asian Americans earned 6.0 percent (n=362) of the baccalaureate degrees awarded. The percentage of baccalaureate degree recipients who were foreign, non-permanent residents of the U.S. was 5.2 percent (n=313), down from 6.6 percent (n=376) in 1988-89 [Table 11A].

More students in all racial/ethnic groups received Pharm.D.1 degrees in 1989-90 than in 1979-80, except for American Indian students (decreased by one student). White Americans received 66.5 percent (n=629) of Pharm.D.1 degrees awarded in 1989-90 as compared to 65.8 percent (n=552) the previous year. Under-represented minorities earned 6.3 percent of the Pharm.D.1 degrees awarded in 1989-90 [black, 3.1 percent (n=29); Hispanic, 3.1 percent (n=29); American Indian, 0.2 percent (n=2)]. In 1988-89, 8.8 percent of Pharm.D.1 degrees were awarded to under-represented minorities [black, 5.7 percent (n=48); Hispanic, 2.7 percent (n=23); American Indian, 0.4 percent (n=3)]. Asian Americans earned 23.7 percent (n=224) of the Pharm.D.1 degrees awarded in 1989-90, as compared to 21.7 percent (n=182) in 1988-89. The percentage of Pharm.D.1 degree recipients who were foreign, non-permanent residents of the U.S. was 3.5 percent (n=33), the same as it was in 1988-89 (n=29) [Table 11B].

POST-BACCALAUREATE DOCTOR OF PHARMACY DEGREE PROGRAMS

Data concerning post-baccalaureate Doctor of Pharmacy degrees (Pharm.D.2) conferred by U.S. schools and colleges of pharmacy are presented in Tables 5, 7 through 10, and Tables 11D, 12C, 13C, and 14C. The numbers of Pharm.D.2 degrees conferred over time are displayed in Figure D.

Thirty-eight (38) schools awarded the Pharm.D. degree to post-baccalaureate students in 1989-90. The number of graduates per school ranged from 1 to 29 students [Table 9]. The number of Doctor of Pharmacy degrees awarded as postbaccalaureate degrees (Pharm.D.2) rose by 36 percent to 302 in 1989-90 from 222 in 1988-89 [Table 5].

Ten-year Comparisons

The number of Pharm.D.2 degrees awarded in 1989-90 (n=302) was 67.8 percent higher than the number awarded in 1979-80 (n=180) [Table 7].

Gender Comparisons. More women than men received Pharm.D.2 degrees in 1989-90 [men, 39.1 percent (n=118); women, 60.9 percent (n=184)]. In 1988-89, 44.6 percent (n=99) of the Pharm.D.2 degrees awarded were earned by men, the remaining 55.4 percent (n=123) by women. This gender composition of graduating Pharm.D.2 classes represents a dramatic shift over the composition of the 1979-80 graduating class where 66.7 percent (n=120) of Pharm.D.2 degrees were awarded to men and 33.3 percent (n=60) to women. The number of men receiving the Pharm.D.2 degree in 1989-90 (n=118) represented a 19.2 percent increase over the number in 1988-89 (n=99). The number of Pharm.D.2 degrees awarded to women in 1989-90 (n=184) represented a 49.6 percent increase over the number earned in 1988-89 (n=123) [Table 8].

Race/Ethnic Group Comparisons. The number of Pharm.D.2 degrees awarded to students in all racial/ethnic groups increased from 1979-80 to 1989-90, except for American Indian students where there was no change (only two American Indian students earned Pharm.D.2 degrees during the 10-year period between 1979-80 and 1989-90). White Americans received 80.8 percent (n=244) of Pharm.D.2 degrees awarded in 1989-90. Under-represented minorities earned 7.6 percent of the Pharm.D.2 degrees awarded [black, 4.3 percent (n=13); Hispanic, 3.3 percent (n=10); American Indian, 0.0 percent (n=0)]. In 1988-89, 5.4 percent of the Pharm.D.2 degrees were earned by under-represented minorities [black, 4.1 percent (n=9); Hispanic, 1.4 percent (n=3); American Indian, 0.0 percent (n=0)]. Asian Americans earned 3.3 percent (n=10) of the Pharm.D.2 degrees awarded. The percentage of Pharm.D.2 degree recipients who were foreign, non-permanent residents of the U.S. was 7.0 percent (n=21), down from 11.3 percent (n=25) in 1988-89 [Table 11D].

GRADUATE DEGREE PROGRAMS

Data concerning graduate degrees (M.S. and Ph.D.) conferred by schools and colleges of pharmacy in the U.S. are presented in Tables 5, 7 through 10, and Tables 11E, 11F, 12D, 12E, 13D, 13E, 14D, 14E, 15, 16A through 16E, and 17A through 17D. The numbers of M.S. degrees conferred over time are displayed in Figure E and the numbers of Ph.D. degrees conferred over time are displayed in Figure F.

The number of Master of Science degrees (M.S.) awarded decreased from 391 in 1988-89 to 385 in 1989-90, a change of 1.5 percent [Table 7]. The highest number of M.S. degrees awarded in 1989-90 (33.8 percent) was in the discipline of pharmaceutics/pharmacy/pharmaceutical sciences. The next highest number of M.S. degrees was awarded in pharmacy administration (24.4 percent), followed by pharmacology/toxicology (16.6 percent), medicinal chemistry/pharmacognosy (15.3 percent), and pharmacy practice (9.9 percent) [Table 15].

The number of Doctor of Philosophy degrees awarded also decreased in 1989-90 over 1988-89 levels. The decrease from 287 to 273 represented a 4.9 percent decline. The number of Ph.D. degrees awarded peaked at 287 in 1988-89 [Table 7]. The highest number of Ph.D. degrees awarded in 1989-90 was in the discipline of pharmaceutics/pharmacy/pharmaceutical sciences (43.6 percent). The next highest number of Ph.D. degrees was awarded in medicinal chemistry/pharmacognosy (26.0 percent), followed by pharmacology/ toxicology (23.8 percent), and pharmacy administration (6.6 percent). No Ph.D. degrees were awarded in pharmacy practice in 1989-90 [Table 15].

Ten-year Comparisons

The number of M.S. degrees awarded peaked at 465 in 1979-80 and has shown annual increases and decreases over the 10 years since. The number awarded in 1989-90 (n=385) represented a decline of 17.2 percent over the 1979-80 level of 465. While the number of Ph.D. degrees awarded in 1989-90

(n=273) was somewhat lower than the peak number of 287 in 1988-89, it represented an increase of 44.4 percent over the number of Ph.D. degrees awarded in 1979-80 (n=189) [Table 7].

Gender Comparisons. More men continued to earn M.S. and Ph.D. degrees than women, although the gap has narrowed since 1979-80. Females receiving M.S. degrees comprised 47.5 percent (n=183) of the total, up from the 42.2 percent (n=165) seen in 1988-89. The number of women receiving Ph.D. degrees in 1989-90 declined as a percentage over the number in 1988-89, from 39 percent (n=112) of the total to 33.7 percent (n=92). However, this share of Ph.D. degrees earned by women has grown from 18.0 percent (n=34) in 1979-80 [Table 8]. This increase can be attributed to an increase in the number of white females, Asian females, and foreign females earning Ph.D. degrees. However, black women, Hispanic women, and women of American Indian descent are poorly represented as Ph.D. recipients. In 1979-80, no Ph.D. degrees were awarded to any woman in these three racial/ethnic groups. The most black women earning a Ph.D. in any one year between 1979-80 and 1989-90 was three (1988-89, 1989-90) and only seven Ph.D. degrees were awarded to black females in the 10-year period from 1979-80 to 1989-90. Only five Ph.D. degrees were earned by Hispanic females between 1979-80 and 1989-90 and no American Indian female earned a Ph.D. degree in that time period [Table 11F].

Race/Ethnic Group Comparisons. From 1979-80 to 1989-90, the largest increases in the number of M.S. degrees conferred were for Hispanic students (increase of 266.7 percent) and American Indian students (one student earned an M.S. degree in 1989-90 and none in 1979-80 for an increase of greater than 100 percent). There was a decline of 30.1 percent in the number of M.S. degrees earned by white students. Under-represented minorities earned 6.3 percent of the M.S. degrees awarded in 1989-90 [black, 3.1 percent (n=12); Hispanic, 2.9 percent (n=11); American Indian, 0.3 percent (n=1)], an increase from 3.8 percent in 1988-89. Asian Americans earned 7.3 percent (n=28) of the M.S. degrees awarded. The percentage of M.S. degree recipients who were foreign, non-permanent residents of the U.S. was 30.1 percent (n=116), down from 31.7 percent (n=124) in 1988-89 [Table 11E].

There was an increased number of Ph.D. degrees conferred to each racial/ethnic group in 1989-90 as compared to 1979-80, except for Hispanic students and American Indian students where there was no change. Under-represented minorities earned 3.0 percent of the Ph.D. degrees awarded in 1989-90 [black, 2.6 percent (n=7); Hispanic, 0.4 percent (n=1); American Indian, 0.0 percent (n=0)], an increase from 2.8 percent in 1988-89. Asian Americans earned 8.8 percent (n=24) of the Ph.D. degrees awarded [Table 11F]. The percentage of Ph.D. degree recipients who were foreign, non-permanent residents of the U.S. was 30.0 percent (n=82), down from 38.0 percent (n=109) in 1988-89 [Table 13E].

FALL 1990 ENROLLMENTS

PROFESSIONAL DEGREE PROGRAMS

Enrollments in fall 1990 (n=29,797) in entry-level professional degree programs represented an 0.8 percent increase over enrollments in fall 1989 (n=29,560). This continued a trend of annual increases in the numbers of students enrolled in entry-level programs which began in 1984 [Table 21, Figure G]. The number of students enrolled in baccalaureate degree programs (n=24,252) was 2.8 percent less than the number enrolled the previous year (n=24,947) [Figure J]. However, the number of students enrolled in entry-level Doctor of Pharmacy degree programs increased from 4,613 in fall 1989 to 5,545 in fall 1990, a 20.2 percent increase [Figure I]. There was an 11.9 percent increase in the number of students enrolled in entry-level degree programs from 1980 to 1990.

In fall 1990, 61.9 percent of the students enrolled in baccalaureate degree programs were females and 38.1 percent were males. A similar enrollment ratio was seen in entry-level Doctor of Pharmacy degree programs: females, 64.9 percent; males, 35.1 percent. The number of males enrolled in entry-level professional degree programs in fall 1990 represented a decrease over the previous year for the second consecutive year. The number of females enrolled in entry-level degree programs at schools of pharmacy has increased from 47.4 percent of enrollees in 1980 to 62.4 percent in 1990 [Table 28, Figure H]..

White Americans comprised the majority (75.0 percent) of students enrolled in baccalaureate degree programs. Asian Americans accounted for 8.7 percent of the baccalaureate enrollees; black Americans, 7.1 percent; Hispanic Americans, 3.7 percent; American Indians, 0.2 percent; and foreign students accounted for 4.9 percent of the baccalaureate enrollees [Table 25].

The percentages of students by race enrolled in entry-level doctor of pharmacy degree programs differed somewhat from baccalaureate enrollments. The majority of entry-level Doctor of Pharmacy enrollees (63.8 percent) was comprised of white Americans; 22.5 percent were Asian Americans; 7.0 percent were black Americans; 4.0 percent were Hispanic Americans; 0.5 percent were American Indians; and 1.9 percent were foreign students [Table 26]. However, the three schools of pharmacy in California accounted for 29.4 percent of the entry-level Doctor of Pharmacy enrollments nationwide and Asian Americans accounted for 48 percent to 59 percent of the entry-level Doctor of Pharmacy enrollments at these schools. Excluding the California enrollments, the percentage distribution of students by race in entry-level Doctor of Pharmacy degree programs was very similar to the distribution of enrollments in baccalaureate degree programs: white Americans, 77.5 percent; Asian Americans, 8.2 percent; black Americans, 8.9 percent, Hispanic Americans, 3.6 percent, American Indians, 0.5 percent; and foreign students, 1.4 percent.

Enrollments of under-represented minorities (black, Hispanic, American Indian) in entry-level degree programs increased from fall 1989 to fall 1990: enrollments of black Americans were 6.1 percent higher in fall 1990; Hispanic American enrollments grew by 2.0 percent; and enrollments of American Indians increased by 4.9 percent [Table 27].

At most schools and colleges of pharmacy, the overwhelming majority of enrollees in entry-level professional degree programs who were U.S. citizens or permanent residents of the U.S. were residents of the state in which the school they attended is located [Table 39].

Forty-four (44) schools reported 536 students, who already held a baccalaureate degree in pharmacy, enrolled full-time in Doctor of Pharmacy degree programs [Table 29A]. This represents an increase of 3 schools and 94 students (21.3 percent) over fall 1989. Of the 828 full-time and part-time students enrolled in Doctor of Pharmacy degree programs as post-baccalaureate students, 78.5 percent were white Americans. Black Americans accounted for 5.8 percent of these students; Hispanic Americans, 2.5 percent; Asian Americans, 6.0 percent; American Indians, 0.1 percent; and foreign students, 7.0 percent [Table 29C].

GRADUATE DEGREE PROGRAMS

In fall 1990, there were 187 graduate programs at 61 schools and colleges of pharmacy; 48 in pharmaceutical/medicinal chemistry/pharmacognosy, 40 in pharmacology, 49 in pharmaceutics and pharmaceutical sciences; 32 in pharmacy administration, and 18 in pharmacy practice. The discipline of pharmaceutics/pharmacy had the highest number of enrollees at the masters (M.S.) and doctorate (Ph.D.) levels (30.7 percent and 38.2 percent, respectively). At the masters level, 21.6 percent of the students were enrolled in pharmacology programs, 19.6 percent in pharmaceutical/medicinal chemistry/pharmacognosy, 17.0 percent in pharmacy administration, and 11.1 percent in pharmacy practice [Table 30]. At the doctorate level, 31.1 percent of the students were enrolled in pharmaceutical/medicinal chemistry/pharmacognosy, 22.8 percent in pharmacology, 6.9 percent in pharmacy administration, and 1.1 percent in pharmacy practice [Table 32].

In fall 1990, females accounted for 45.3 percent of the students enrolled in M.S. degree programs and males accounted for 54.7 percent of the enrollments [Table 30] (47.8 percent and 52.2 percent, respectively, in 1989). Women accounted for a smaller percentage of the students enrolled in Ph.D. degree programs; 37.8 percent in 1990 [Table 32] and 37.1 percent in 1989.

Of the 684 students enrolled full-time in M.S. degree programs in fall 1990, 44.7 percent were white Americans. Foreign students were the next largest group, accounting for 41.1 percent of the enrollees. Asian Americans accounted for 7.0 percent of the enrollees; black Americans, 3.9 percent; and Hispanic Americans, 3.2 percent [Tables 31A through 31E]. The percentage of under-represented minorities enrolled in M.S. degree programs increased from 2.8 percent black Americans and 1.9 percent Hispanic Americans in 1989.

Of the 1,926 students enrolled full-time in Ph.D. degree programs in fall 1990, 45.7 percent were white Americans. Foreign students were the next largest group, accounting for 41.7 percent of the enrollees. Asian Americans accounted for 8.2 percent of the enrollees; black Americans, 2.1 percent; Hispanic Americans, 1.7 percent; and American Indians, 0.6 percent [Tables 33A through 33E]. The percentage

of under-represented minorities increased from 1.8 percent black Americans, 1.6 percent Hispanic Americans, and 0.2 percent American Indians in 1989.

The majority (59.1 percent) of full-time and part-time graduate students (M.S. and Ph.D.) held a professional pharmacy degree: 30.6 percent of graduate students held a professional pharmacy degree from a U.S. school of pharmacy and 28.4 percent held a pharmacy degree awarded by a non-U.S. school [Table 36, Table 37].

POST-GRADUATE EDUCATION AND TRAINING

Thirty-five (35) schools reported 429 individuals participating in post-Ph.D. fellowship programs in fall 1990. This represents a 9.5 percent decrease from the number of post-Ph.D. fellows in fall 1989. The number of fellows per school ranged from 1 to 85. Eighty (80) individuals were participating in post-Pharm.D. fellowships at 19 schools (range 1 to 11 individuals per school), representing a 25.9 percent decrease from the number in fall 1989. Also, 153 individuals were participating in post-baccalaureate/post-Pharm.D. residencies at 18 schools (range 1 to 35 individuals per school), representing a 20.0 percent increase over the number in fall 1989 [Table 43].

TABLE 1: TOTAL NUMBER OF APPLICATIONS[a] TO ENTRY-LEVEL DEGREE PROGRAMS, 1988-89 AND 1989-90

	Sept'88 through Aug'89			Sept'89 through Aug'90			Change '88-89 to '89-90		
COLLEGE	M	F	Tot	M	F	Tot	M	F	Tot
Auburn	86	143	229	113	167	280	31.4%	16.8%	22.3%
Samford	122	145	267	119	148	267	-2.5%	2.1%	0.0%
Arizona	52	76	128	44	53	97	-15.4%	-30.3%	-24.2%
Arkansas	46	109	155	44	93	137	-4.3%	-14.7%	-11.6%
California-SF	132[b]	253	385	141	274	415	6.8%[c]	8.3%	7.8%
Pacific	NR	NR	NR	NR	NR	NR	NA	NA	NA
Southern California	154	351	505	174	346	520	13.0%	-1.4%	3.0%
Colorado	75	110	185	69	106	175	-8.0%	-3.6%	-5.4%
Connecticut	125	215	340	121	204	325	-3.2%	-5.1%	-4.4%
Howard	54	82	136	NR	NR	135	NA	NA	-0.7%
Florida A & M	NR	NR	NR	NR	NR	NR	NA	NA	NA
Southeastern	91	119	210	NR	NR	NR	NA	NA	NA
Florida	185	276	461	185	276	461	0.0%	0.0%	0.0%
Mercer	159	239	398	165	288	453	3.8%	20.5%	13.8%
Georgia	151	239	390	152	269	421	0.7%	12.6%	7.9%
Idaho State	74	56	130	50	39	89	-32.4%	-30.4%	-31.5%
Illinois at Chicago	65	136	201	67	145	212	3.1%	6.6%	5.5%
Butler	68	176	244	NR	NR	NR	NA	NA	NA
Purdue	115	275	390	126	235	361	9.6%	-14.5%	-7.4%
Drake	105	157	262	126	167	292	20.2%	6.4%	11.8%
Iowa	NR	NR	NR	85	144	229	NA	NA	NA
Kansas	96	87	183	94	126	220	-2.1%	44.8%	20.2%
Kentucky	105	136	241	87	156	243	-17.1%	14.7%	0.8%
Northeast Louisiana	143	201	344	144	194	338	0.7%	-3.5%	-1.7%
Xavier	48	63	111	66	79	145	37.5%	25.4%	30.6%
Maryland	108	206	314	130	241	371	20.4%	17.0%	18.2%
Massachusetts COP/AHS	293	478	771	290	474	764	-1.0%	-0.8%	-0.9%
Northeastern	NR	NR	NR	73	144	217	NA	NA	NA
Ferris State	NR	NR	251	NR	NR	NR	NA	NA	NA
Michigan	39	71	110	42	84	126	7.7%	18.3%	14.5%
Wayne State	86	105	191	85	99	184	-1.2%	-5.7%	-3.7%
Minnesota	79	103	182	65	132	197	-17.7%	28.2%	8.2%
Mississippi	86	114	200	100	136	236	16.3%	19.3%	18.0%
St. Louis	271	384	655	265	388	653	-2.2%	1.0%	-0.3%
Missouri-KC	57	92	149	47	82	129	-17.5%	-10.9%	-13.4%
Montana	50	48	98	50	48	98	0.0%	0.0%	0.0%
Creighton	NR	NR	NR	114	130	244	NA	NA	NA
Nebraska	52	56	108	58	65	123	11.5%	16.1%	13.9%
Rutgers	354	623	977	410	689	1099	15.8%	10.6%	12.5%
New Mexico	109	99	208	98	99	197	-10.1%	0.0%	-5.3%
A & M Schwartz	301	257	558	NR	NR	NR	NA	NA	NA
St. John's	NR	NR	NR	NR	NR	NR	NA	NA	NA
Buffalo	79	128	207	88	136	224	11.4%	6.3%	8.2%
Albany	160	249	409	136	219	355	-15.0%	-12.0%	-13.2%
Campbell	121	180	301	116	176	292	-4.1%	-2.2%	-3.0%
North Carolina	86	232	318	115	226	341	33.7%	-2.6%	7.2%
North Dakota	53	72	125	44	61	105	-17.0%	-15.3%	-16.0%
Ohio Northern	NR	NR	NR	NR	NR	NR	NA	NA	NA
Ohio State	162	227	389	166	234	400	2.5%	3.1%	2.8%
Cincinnati	75	107	182	89	121	210	18.7%	13.1%	15.4%
Toledo	NR	NR	NR	151	192	343	NA	NA	NA
S.W. Oklahoma	137	134	271	134	148	282	-2.2%	10.4%	4.1%
Oklahoma	84	81	165	105	100	205	25.0%	23.5%	24.2%
Oregon State	65	113	178	NR	NR	201	NA	NA	12.9%
Duquesne	130	270	400	123	233	356	-5.4%	-13.7%	-11.0%
Philadelphia	358	561	919	367	574	941	2.5%	2.3%	2.4%
Temple	315	342	658	NR	NR	NR	NA	NA	NA
Pittsburgh	NR	NR	332	124	201	325	NA	NA	-2.1%
Puerto Rico	17	129	146	20	107	127	17.6%	-17.1%	-13.0%
Rhode Island	201	382	583	NR	NR	NR	NA	NA	NA
Med. U. of S.C.	57	112	169	54	119	173	-5.3%	6.3%	2.4%
South Carolina	51	92	143	63	138	201	23.5%	50.0%	40.6%
South Dakota	56	71	127	93	89	182	66.1%	25.4%	43.3%
Tennessee	65	118	183	66	147	213	1.5%	24.6%	16.4%
Texas Southern	122	142	264	NR	NR	NR	NA	NA	NA
Houston	131	158	289	139	164	303	6.1%	3.8%	4.8%
Texas-Austin	195	299	494	168	275	443	-13.8%	-8.0%	-10.3%
Utah	55	44	99	47	58	105	-14.5%	31.8%	6.1%
Va. Commonwealth	94	205	299	NR	NR	NR	NA	NA	NA
Washington	NR	NR	198	NR	NR	202	NA	NA	2.0%
Washington State	55	80	135	55	80	133	0.0%	0.0%	0.0%
West Virginia	59	79	138	84	87	171	42.4%	10.1%	23.9%
Wisconsin	132	169	301	82	136	218	-37.9%	-19.5%	-27.6%
Wyoming	92	52	144	87	65	152	-5.4%	25.0%	5.6%
TOTAL	7,344	11,108	19,233	6,715	10,406	17,659			

a Numbers reported represent the number of applications, not applicants, and may represent multiple applications submitted by individual applicants.
b Not reported.
c Not able to calculate.

TABLE 2: DISTRIBUTION OF APPLICATIONS BY GENDER AND RACE/ETHNICITY OF APPLICANT
(Represents data submitted by 55 schools)

Race/Ethnicity	Male	Female	Total	Percent
White[a]	4,494	6,845	11,339	68.1%
Black[a]	306	613	919	5.5%
Hispanic[a]	284	495	779	4.7%
Asian, Pacific Islander[a]	746	1,376	2,122	12.7%
American Indian[a]	22	16	38	0.2%
Other[a]	459	457	916	0.5%
Foreign[b]	239	309	548	3.3%

a U.S. citizen or permanent resident
b non-permanent resident

TABLE 3: DISTRIBUTION OF APPLICATIONS BY GENDER AND STATE OF RESIDENCY OF APPLICANT
(Represents data submitted by 59 schools)

Residency	Male	Female	Total	Percent
In-state Resident	4,251	7,037	11,288	68.9%
Out-of-State Resident	2,185	2,915	5,100	31.1%

TABLE 4: DISTRIBUTION OF APPLICATIONS BY GENDER AND PREVIOUS POST-SECONDARY EXPERIENCE OF APPLICANT
(Represents data submitted by 46 schools)

Post-Secondary Experience	Male	Female	Gender Not Specified	Total	Percent
0-2 years of college	1,703	2,902	161	4,766	43.6%
3-4 years of college	1,538	2,216	92	3,846	35.2%
Associate Degree	200	257	9	466	4.3%
Baccalaureate Degree	740	933	71	1,744	16.0%
Masters Degree	54	40	0	96	0.9%
Doctoral Degree	12	4	0	16	0.1%

TABLE 5: NUMBER OF PHARMACY DEGREES CONFERRED 1960-1990 BY DEGREE AND GENDER

	B.S. PHARMACY[a]			PHARM.D.1[b]			ENTRY-LEVEL[c]			PHARM.D.2[d]			M. S.			Ph. D.		
YEAR	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
1960	3018	406	3424	92	10	102	3110	416	3526				120	11	131	59	1	60
1961	2906	387	3293	140	12	152	3046	399	3445				104	12	116	63	2	65
1962	3122	452	3574	137	17	154	3259	469	3728				132	14	146	86	1	87
1963	3472	542	4014	162	12	174	3634	554	4118				150	12	162	98	2	100
1964	1799	230	2029	144	22	166	1943	252	2195				115	15	130	82	1	83
1965	2723	454	3177	162	21	183	2885	475	3360				150	26	176	105	3	108
1966	2970	500	3470	161	28	189	3131	528	3659				152	38	190	108	15	123
1967	3078	493	3571	136	37	173	3214	530	3744				235	32	267	118	8	126
1968	3194	572	3766	183	39	222	3377	611	3988				219	44	263	124	10	134
1969	3384	695	4079	178	31	209	3562	726	4288				235	42	277	136	9	145
1970	3664	853	4517	192	49	241	3856	902	4758				236	54	290	131	10	141
1971	3589	935	4524	160	63	223	3749	998	4747				219	56	275	169	8	177
1972	3498	1072	4570	215	73	288	3713	1145	4858				205	56	261	155	13	168
1973	3674	1259	4933	184	67	251	3858	1326	5184	99	18	117	273	53	326	172	15	187
1974	4104	1559	5663	205	89	294	4309	1648	5957	117	23	140	250	70	320	165	19	184
1975	4607	1792	6399	218	95	313	4825	1887	6712	110	26	136	250	89	339	165	24	189
1976	4940	2165	7105	250	109	359	5190	2274	7464	88	38	126	301	92	393	163	26	189
1977	5108	2541	7649	255	107	362	5363	2648	8011	147	42	189	309	90	399	147	19	166
1978	4715	2715	7430	246	109	355	4961	2824	7785	132	65	197	305	117	422	158	20	178
1979	4260	2835	7095	278	183	461	4538	3018	7556	139	51	190	301	134	435	125	28	153
1980	4154	2831	6985	267	180	447	4421	3011	7432	120	60	180	315	150	465	155	34	189
1981	3753	3116	6869	265	189	454	4018	3305	7323	109	101	210	271	163	434	152	28	180
1982	3417	3031	6448	217	194	411	3634	3225	6859	119	88	207	293	165	458	146	36	182
1983	2994	2925	5919	240	215	455	3234	3140	6374	136	135	271	277	149	426	154	54	208
1984	2826	2720	5546	188	229	417	3014	2949	5963	169	162	331	253	141	394	174	53	227
1985	2362	2785	5147	281	307	588	2643	3092	5735	121	103	224	210	128	338	175	57	232
1986	2370	2820	5190	278	332	610	2648	3152	5800	97	113	210	245	170	415	192	68	260
1987	2235	2929	5164	291	399	690	2526	3328	5854	86	126	212	197	151	348	203	80	283
1988	2245	3126	5371	322	491	813	2567	3617	6184	74	85	159	194	159	353	188	75	263
1989	2313	3408	5721	314	525	839	2627	3933	6560	99	123	222	226	165	391	175	112	287
1990	2393	3617	6010	388	558	946	2781	4175	6956	118	184	302	202	183	385	181	92	273

a Includes B.Pharm. degree
b PHARM.D.1 refers to the Doctor of Pharmacy degree awarded as the first professional degree
c Includes B.S.Pharmacy, B.Pharm., and Pharm.D.1
d PHARM.D.2 refers to the Doctor of Pharmacy degree awarded as a post-baccalaureate degree

Totals are for all schools and colleges of pharmacy in the U.S. and Puerto Rico.

TABLE 6: BACCALAUREATE AND DOCTOR OF PHARMACY (PHARM.D.1) DEGREES AS PERCENTAGES OF TOTAL ENTRY-LEVEL DEGREES CONFERRED 1976-1990

	B.S. PHARMACY[a]		PHARM.D.1[b]		ENTRY-LEVEL[c]
YEAR	N	Percent	N	Percent	N
1976	7105	95.2%	359	4.8%	7464
1977	7649	95.5%	362	4.5%	8011
1978	7430	95.4%	355	4.6%	7785
1979	7095	93.9%	461	6.1%	7556
1980	6985	94.0%	447	6.0%	7432
1981	6869	93.8%	454	6.2%	7323
1982	6448	94.0%	411	6.0%	6859
1983	5919	92.9%	455	7.1%	6374
1984	5546	93.0%	417	7.0%	5963
1985	5147	89.7%	588	10.3%	5735
1986	5190	89.5%	610	10.5%	5800
1987	5164	88.2%	690	11.8%	5854
1988	5371	86.9%	813	13.1%	6184
1989	5721	87.3%	839	12.7%	6560
1990	6010	86.4%	946	13.6%	6956

a Includes B.Pharm. degree
b PHARM.D.1 refers to the Doctor of Pharmacy degree awarded as the first professional degree
c Includes B.S.Pharmacy, B.Pharm., and Pharm.D.1

TABLE 7: ANNUAL PERCENT CHANGE IN NUMBER OF PHARMACY DEGREES CONFERRED 1976-1990 OVER PREVIOUS YEAR

	ENTRY-LEVEL[a]		PHARM.D.2[b]		M. S.		Ph. D.	
YEAR	N	Change	N	Change	N	Change	N	Change
1976	7464	+11.2%	126	- 7.4%	393	+15.9%	189	0.0%
1977	8011	+ 7.3%	189	+50.0%	399	+ 1.5%	166	-12.2%
1978	7785	- 2.8%	117	+ 4.2%	422	+ 5.8%	178	+ 7.2%
1979	7556	- 2.9%	190	- 3.6%	435	+ 3.1%	153	-14.0%
1980	7432	- 1.6%	180	- 5.3%	465	+ 6.9%	189	+23.5%
1981	7323	- 1.5%	210	+16.7%	434	- 6.7%	180	- 4.8%
1982	6859	- 6.3%	207	- 1.4%	458	+ 5.5%	182	+ 1.1%
1983	6374	- 7.1%	271	+30.9%	426	- 7.0%	208	+14.3%
1984	5963	- 6.4%	331	+22.2%	394	- 7.5%	227	+ 9.1%
1985	5735	- 3.8%	224	-32.3%	338	-14.2%	232	+ 2.2%
1986	5800	+ 1.1%	210	- 6.3%	415	+22.8%	260	+12.1%
1987	5854	+ 0.9%	212	+ 1.0%	348	-16.1%	283	+ 8.8%
1988	6184	+ 5.6%	159	-25.0%	353	+ 1.4%	263	- 7.1%
1989	6560	+ 6.0%	222	+39.6%	391	+10.8%	287	+ 9.1%
1990	6956	+ 6.0%	302	+36.0%	385	- 1.5%	273	- 4.9%

a Includes B.S.Pharmacy, B.Pharm., and Pharm.D.1 degrees
b PHARM.D.2 refers to the Doctor of Pharmacy degree awarded as a post-baccalaureate degree

TABLE 8: PERCENT OF PHARMACY DEGREES CONFERRED 1976-1990 BY GENDER

	B.S. PHARMACY[a]		PHARM.D.1[b]		ENTRY-LEVEL[c]		PHARM.D.2[d]		M. S.		Ph. D.	
YEAR	M	F	M	F	M	F	M	F	M	F	M	F
1976	69.5%	30.5%	69.6%	30.4%	69.5%	30.5%	69.8%	30.2%	76.6%	23.4%	86.2%	13.8%
1977	66.8%	33.2%	70.4%	29.6%	66.9%	33.1%	77.8%	22.2%	77.4%	22.6%	88.6%	11.4%
1978	63.5%	36.5%	69.3%	30.7%	63.7%	36.3%	67.0%	33.0%	72.3%	27.7%	88.8%	11.2%
1979	60.0%	40.0%	60.3%	39.7%	60.1%	39.9%	73.2%	26.8%	69.2%	30.8%	81.7%	18.3%
1980	59.5%	40.5%	59.7%	40.3%	59.5%	40.5%	66.7%	33.3%	67.7%	32.3%	82.0%	18.0%
1981	54.6%	45.4%	58.4%	41.6%	54.9%	45.1%	51.9%	48.1%	62.4%	37.6%	84.4%	15.6%
1982	53.0%	47.0%	52.8%	47.2%	53.0%	47.0%	57.5%	42.5%	64.0%	36.0%	80.2%	19.8%
1983	50.6%	49.4%	52.7%	47.3%	50.7%	49.3%	50.2%	49.8%	65.0%	35.0%	74.0%	26.0%
1984	51.0%	49.0%	45.1%	54.9%	50.5%	49.5%	51.1%	48.9%	64.2%	35.8%	76.7%	23.3%
1985	45.9%	54.1%	47.8%	52.2%	46.1%	53.9%	54.0%	46.0%	62.1%	37.9%	75.4%	24.6%
1986	45.7%	54.3%	45.6%	54.4%	45.7%	54.3%	46.2%	53.8%	59.0%	41.0%	73.8%	26.2%
1987	43.3%	56.7%	42.2%	57.8%	43.1%	56.9%	40.6%	59.4%	56.6%	43.4%	71.7%	28.3%
1988	41.8%	58.2%	39.6%	60.4%	41.5%	58.5%	46.5%	53.5%	55.0%	45.0%	71.5%	28.5%
1989	40.4%	59.6%	37.4%	62.6%	40.0%	60.0%	44.6%	55.4%	57.8%	42.2%	61.0%	39.0%
1990	39.8%	60.2%	41.0%	59.0%	40.0%	60.0%	39.1%	60.9%	52.5%	47.5%	66.3%	33.7%

a Includes B.Pharm. degree
b PHARM.D.1 refers to the Doctor of Pharmacy degree awarded as the first professional degree
c Includes B.S.Pharmacy, B.Pharm., and Pharm.D.1
d PHARM.D.2 refers to the Doctor of Pharmacy degree awarded as a post-baccalaureate degree

TABLE 9: NUMBER OF DEGREES CONFERRED 1989-90 BY SCHOOL/COLLEGE OF PHARMACY, DEGREE TYPE, AND GENDER

	B.S.PHARMACY[a]			PHARM.D.1[b]			PHARM.D.2[c]			M. S.			Ph. D.			TOTAL		
COLLEGE	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	TOTAL
Auburn	27	60	87	0	0	0	0	0	0	11	10	21	9	0	9	47	70	117
Samford	42	43	85	0	0	0	0	0	0	0	0	0	0	0	0	42	43	85
Arizona	0	0	0	10	17	27	0	0	0	6	7	13	4	2	6	20	26	46
Arkansas	21	48	69	0	0	0	0	0	0	0	0	0	0	0	0	21	48	69
California-SF	0	0	0	62	53	115	0	1	1	0	0	0	5	9	14	67	63	130
Pacific	2	0	2	47	63	110	0	0	0	1	2	3	1	0	1	51	65	116
Southern California	0	0	0	47	83	130	0	0	0	2	4	6	0	2	2	49	89	138
Colorado	34	47	81	0	0	0	0	0	0	0	0	0	2	0	2	36	47	83
Connecticut	21	71	92	0	0	0	0	0	0	3	3	6	7	2	9	31	76	107
Howard	15	39	54	1	2	3	0	1	1	0	0	0	0	0	0	16	42	58
Florida A & M	20	32	52	2	3	5	1	0	1	0	0	0	0	1	1	23	36	59
Southeastern	9	15	24	0	0	0	1	5	6	0	0	0	0	0	0	10	20	30
Florida	22	21	43	21	26	47	1	2	3	0	1	1	2	0	2	46	50	96
Mercer	0	0	0	30	60	90	14	15	29	1	0	1	0	0	0	45	75	120
Georgia	65	93	158	0	0	0	5	10	15	1	2	3	5	5	10	76	110	186
Idaho State	13	7	20	16	5	21	8	8	16	1	0	1	0	0	0	38	20	58
Illinois at Chicago	0	0	0	31	73	104	8	12	20	1	0	1	1	0	1	41	85	126
Butler	20	44	64	0	0	0	0	0	0	0	1	1	0	0	0	20	45	65
Purdue	57	91	148	4	7	11	3	7	10	4	9	13	11	5	16	79	119	198
Drake	31	47	78	0	0	0	0	0	0	0	0	0	0	0	0	31	47	78
Iowa	30	57	87	0	0	0	2	3	5	3	2	5	11	3	14	46	65	111
Kansas	35	35	70	3	2	5	2	1	3	17	14	31	8	1	9	65	53	118
Kentucky	29	45	74	7	13	20	12	13	25	0	2	2	4	5	9	52	78	130
Northeast Louisiana	67	86	153	0	0	0	0	0	0	1	1	2	2	2	4	70	89	159
Xavier	17	58	75	0	0	0	2	2	4	0	0	0	0	0	0	19	60	79
Maryland	31	65	96	0	2	2	0	8	8	0	2	2	8	2	10	39	79	118
Massachusetts COP/AHS	110	121	231	0	0	0	1	1	2	3	3	6	2	0	2	116	125	241
Northeastern	34	37	71	0	0	0	2	2	4	3	4	7	2	0	2	41	43	84
Ferris State	53	63	116	0	0	0	0	0	0	0	0	0	0	0	0	53	63	116
Michigan	0	0	0	10	23	33	1	2	3	1	6	7	4	6	10	16	37	53
Wayne State	46	42	88	0	0	0	3	10	13	4	2	6	1	0	1	54	54	108
Minnesota	63	58	83	5	15	20	3	5	8	2	5	7	5	4	9	40	87	127
Mississippi	54	47	81	0	0	0	0	0	0	8	3	11	7	3	10	49	53	102
St. Louis	75	99	174	7	8	15	0	0	0	1	0	1	0	0	0	83	107	190
Missouri-KC	16	25	41	0	0	0	0	0	0	3	0	3	2	1	3	21	26	47
Montana	20	19	39	0	0	0	0	0	0	2	1	3	0	0	0	22	20	42
Creighton	26	40	66	13	16	29	0	2	2	0	0	0	0	0	0	39	58	97
Nebraska	0	0	0	18	22	40	0	0	0	0	0	0	2	0	2	20	22	42
Rutgers	47	65	112	0	0	0	0	0	0	2	0	2	2	4	6	51	69	120
New Mexico	32	34	66	0	0	0	0	0	0	4	3	7	0	0	0	36	37	73
A & M Schwartz	75	80	155	0	0	0	0	0	0	27	22	49	0	0	0	102	102	204
St. John's	87	138	225	0	0	0	1	3	4	22	21	43	12	3	15	122	165	287
Buffalo	25	34	59	0	0	0	6	2	8	0	3	3	1	5	6	32	44	76
Albany	45	69	114	0	0	0	0	0	0	0	0	0	0	0	0	45	69	114
Campbell	0	0	0	19	24	43	0	0	0	0	0	0	0	0	0	19	24	43
North Carolina-CH	47	132	179	2	3	5	3	4	7	5	0	5	0	1	1	57	140	197
North Dakota	28	46	74	0	0	0	1	1	2	0	1	1	0	0	0	29	48	77
Ohio Northern	42	50	92	0	0	0	0	0	0	0	0	0	0	0	0	42	50	92
Ohio State	59	82	141	0	0	0	4	1	5	8	4	12	6	4	10	77	91	168
Cincinnati	38	44	82	0	0	0	2	5	7	7	7	14	1	0	1	48	56	104
Toledo	33	57	90	0	0	0	0	0	0	3	2	5	0	0	0	36	59	95
S.W. Oklahoma	60	54	114	0	0	0	0	0	0	0	0	0	0	0	0	60	54	114
Oklahoma	27	47	74	0	0	0	0	0	0	0	2	2	0	0	0	27	49	76
Oregon State	23	52	75	0	0	0	0	0	0	1	1	2	1	5	6	25	58	83
Duquesne	31	77	108	0	0	0	3	4	7	3	2	5	0	0	0	37	83	120
Ph.ladelphia	97	126	223	0	0	0	6	7	13	1	4	5	4	0	4	108	135	243
Temple	68	82	150	0	0	0	0	0	0	11	11	22	4	0	4	83	93	176
Pittsburgh	49	60	109	0	0	0	0	0	0	0	0	0	1	1	2	50	61	111
Puerto Rico	14	61	75	0	0	0	0	0	0	2	1	3	0	0	0	16	62	78
Rhode Island	24	67	91	0	0	0	1	1	2	6	3	9	0	3	3	31	74	105
Med. U. of S.Carolina	21	48	69	0	0	0	6	11	17	0	0	0	3	0	3	30	59	89
South Carolina	20	55	75	0	0	0	1	6	7	2	0	2	3	0	3	26	61	87
South Dakota	15	36	51	0	0	0	0	0	0	0	0	0	0	0	0	15	36	51
Tennessee	0	0	0	30	36	66	1	3	4	1	0	1	2	0	2	34	39	73
Texas Southern	47	48	95	0	0	0	1	2	3	0	0	0	0	0	0	48	50	98
Houston	45	60	105	0	0	0	0	0	0	3	2	5	2	0	2	50	62	112
Texas-Austin	54	100	154	2	1	3	7	10	17	4	4	8	7	6	13	74	121	195
Utah	24	21	45	0	0	0	1	5	6	1	1	2	9	1	10	35	28	63
Virginia Commonwealth	32	70	102	1	1	2	1	5	6	1	1	2	4	0	4	39	77	116
Washington	20	29	49	0	0	0	4	4	8	1	0	1	1	1	2	26	34	60
Washington State	18	16	34	0	0	0	0	0	0	0	2	2	4	2	6	22	20	42
West Virginia	27	45	72	0	0	0	0	0	0	0	0	0	0	0	0	27	45	72
Wisconsin-Madison	52	60	112	0	0	0	0	0	0	8	4	12	9	3	12	69	67	136
Wyoming	20	17	37	0	0	0	0	0	0	0	0	0	0	0	0	20	17	37
TOTAL	2393	3617	6010	388	558	946	118	184	302	202	183	385	181	92	273	3282	4634	7916

a Includes B.Pharm. degree
b PHARM.D.1 refers to the Doctor of Pharmacy degree awarded as the first professional degree
c PHARM.D.2 refers to the Doctor of Pharmacy degree awarded as a post-baccalaureate degree

TABLE 10: NUMBER OF DEGREES CONFERRED 1989-90 BY STATE, DEGREE TYPE, AND GENDER

	B.S. PHARMACY[a]			PHARM.D.1[b]			PHARM.D.2[c]			M. S.			Ph. D.			TOTAL		
STATE	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	TOTAL
Alabama	69	103	172	0	0	0	0	0	0	11	10	21	9	0	9	89	113	202
Arizona	0	0	0	10	17	27	0	0	0	6	7	13	4	2	6	20	26	46
Arkansas	21	48	69	0	0	0	0	0	0	0	0	0	0	0	0	21	48	69
California	2	0	2	156	199	355	0	1	1	3	6	9	6	11	17	167	217	384
Colorado	34	47	81	0	0	0	0	0	0	0	0	0	2	0	2	36	47	83
Connecticut	21	71	92	0	0	0	0	0	0	3	3	6	7	2	9	31	76	107
District of Columbia	15	39	54	1	2	3	0	1	1	0	0	0	0	0	0	16	42	58
Florida	51	68	119	23	29	52	3	7	10	0	1	1	2	1	3	79	106	185
Georgia	65	93	158	30	60	90	19	25	44	2	2	4	5	5	10	121	185	306
Idaho	13	7	20	16	5	21	8	8	16	1	0	1	0	0	0	38	20	58
Illinois	0	0	0	31	73	104	8	12	20	1	0	1	1	0	1	41	85	126
Indiana	77	135	212	4	7	11	3	7	10	4	10	14	11	5	16	99	164	263
Iowa	61	104	165	0	0	0	2	3	5	3	2	5	11	3	14	77	112	189
Kansas	35	35	70	3	2	5	2	1	3	17	14	31	8	1	9	65	53	118
Kentucky	29	45	74	7	13	20	12	13	25	0	2	2	4	5	9	52	78	130
Louisiana	84	144	228	0	0	0	2	2	4	1	1	2	2	2	4	89	149	238
Maryland	31	65	96	0	2	2	0	8	8	0	2	2	8	2	10	39	79	118
Massachusetts	144	158	302	0	0	0	3	3	6	6	7	13	4	0	4	157	168	325
Michigan	99	105	204	10	23	33	4	12	16	5	8	13	5	6	11	123	154	277
Minnesota	25	58	83	5	15	20	3	5	8	2	5	7	5	4	9	40	87	127
Mississippi	34	47	81	0	0	0	0	0	0	8	3	11	7	3	10	49	53	102
Missouri	91	124	215	7	8	15	0	0	0	4	0	4	2	1	3	104	133	237
Montana	20	19	39	0	0	0	0	0	0	2	1	3	0	0	0	22	20	42
Nebraska	26	40	66	31	38	69	0	2	2	0	0	0	2	0	2	59	80	139
New Jersey	47	65	112	0	0	0	0	0	0	2	0	2	2	4	6	51	69	120
New Mexico	32	34	66	0	0	0	0	0	0	4	3	7	0	0	0	36	37	73
New York	232	321	553	0	0	0	7	5	12	49	46	95	13	8	21	301	380	681
North Carolina	47	132	179	21	27	48	3	4	7	5	0	5	0	1	1	76	164	240
North Dakota	28	46	74	0	0	0	1	1	2	0	1	1	0	0	0	29	48	77
Ohio	172	233	405	0	0	0	6	6	12	18	13	31	7	4	11	203	256	459
Oklahoma	87	101	188	0	0	0	0	0	0	0	2	2	0	0	0	87	103	190
Oregon	23	52	75	0	0	0	0	0	0	1	1	2	1	5	6	25	58	83
Pennsylvania	245	345	590	0	0	0	9	11	20	15	15	30	9	1	10	278	372	650
Puerto Rico	14	61	75	0	0	0	0	0	0	2	1	3	0	0	0	16	62	78
Rhode Island	24	67	91	0	0	0	1	1	2	6	3	9	0	3	3	31	74	105
South Carolina	41	103	144	0	0	0	7	17	24	2	0	2	6	0	6	56	120	176
South Dakota	15	36	51	0	0	0	0	0	0	0	0	0	0	0	0	15	36	51
Tennessee	0	0	0	30	36	66	1	3	4	1	0	1	2	0	2	34	39	73
Texas	146	208	354	2	1	3	8	12	20	7	6	13	9	6	15	172	233	405
Utah	24	21	45	0	0	0	1	5	6	1	1	2	9	1	10	35	28	63
Virginia	32	70	102	1	1	2	1	5	6	1	1	2	4	0	4	39	77	116
Washington	38	45	83	0	0	0	4	4	8	1	2	3	5	3	8	48	54	102
West Virginia	27	45	72	0	0	0	0	0	0	0	0	0	0	0	0	27	45	72
Wisconsin	52	60	112	0	0	0	0	0	0	8	4	12	9	3	12	69	67	136
Wyoming	20	17	37	0	0	0	0	0	0	0	0	0	0	0	0	20	17	37
TOTAL	2393	3617	6010	388	558	946	118	184	302	202	183	385	181	92	273	3282	4634	7916

a Includes B.Pharm. degree
b PHARM.D.1 refers to the Doctor of Pharmacy degree awarded as the first professional degree
c PHARM.D.2 refers to the Doctor of Pharmacy degree awarded as a post-baccalaureate degree

TABLE 11A: NUMBER OF BACCALAUREATE DEGREES (B.S.PHARMACY, B.PHARM.) CONFERRED 1976-1990 BY GENDER AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN, PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
YEAR	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
1976	4410	1781	6191	107	76	183	97	144	241	89	60	149	9	2	11	31	5	36	197	97	294	4940	2165	7105
1977	4559	2094	6653	106	112	218	131	174	305	72	66	138	6	3	9	5	3	8	229	89	318	5108	2541	7649
1978	4251	2282	6533	121	104	225	114	169	283	71	79	150	2	0	2	17	13	30	139	68	207	4715	2715	7430
1979	3845	2349	6194	110	148	258	87	185	272	71	81	152	13	2	15	9	11	20	125	59	184	4260	2835	7095
1980	3711	2343	6054	104	134	238	77	179	256	94	78	172	4	1	5	27	22	49	137	74	211	4154	2831	6985
1981	3333	2579	5912	83	133	216	123	226	349	73	97	170	0	3	3	5	2	7	136	76	212	3753	3116	6869
1982	2996	2562	5558	86	152	238	80	144	224	103	95	198	7	6	13	12	6	18	133	66	199	3417	3031	6448
1983	2545	2371	4916	80	152	232	86	158	244	76	100	176	5	3	8	54	36	90	148	105	253	2994	2925	5919
1984	2239	2236	4475	93	135	228	127	70	197	80	93	173	6	4	10	100	70	170	181	112	293	2826	2720	5546
1985	1949	2285	4234	95	129	224	89	140	229	61	105	166	2	4	6	1	1	2	165	121	286	2362	2785	5147
1986	1914	2257	4171	102	174	276	78	116	194	86	98	184	7	4	11	0	0	0	183	171	354	2370	2820	5190
1987	1822	2320	4142	88	174	262	85	147	232	78	126	204	4	4	8	5	6	11	153	152	305	2235	2929	5164
1988	1868	2526	4394	82	156	238	71	151	222	59	122	181	4	6	10	10	16	26	151	149	300	2245	3126	5371
1989	1835	2653	4488	75	187	262	77	149	226	90	182	272	4	5	9	41	47	88	191	185	376	2313	3408	5721
1990	1913	2761	4674	107	232	339	68	157	225	120	242	362	3	6	9	30	58	88	152	161	313	2393	3617	6010

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 11B: NUMBER OF DOCTOR OF PHARMACY DEGREES CONFERRED AS FIRST PROFESSIONAL DEGREES (PHARM.D.1) 1976-1990 BY GENDER AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANICa			ASIAN, PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
YEAR	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
1976	131	47	178	0	0	0	0	0	0	47	26	73	0	0	0	60	31	91	12	5	17	250	109	359
1977	156	58	214	1	7	8	8	2	10	65	35	100	0	0	0	0	0	0	25	5	30	255	107	362
1978	145	58	203	4	4	8	13	2	15	65	36	101	3	1	4	0	0	0	16	8	24	246	109	355
1979	180	121	301	4	10	14	12	4	16	75	40	115	0	0	0	0	0	0	7	8	15	278	183	461
1980	165	116	281	6	5	11	20	1	21	67	53	120	3	0	3	0	0	0	6	5	11	267	180	447
1981	179	114	293	5	9	14	5	7	12	65	53	118	1	1	2	0	0	0	10	5	15	265	189	454
1982	133	119	252	8	4	12	8	9	17	62	57	119	0	0	0	0	0	0	6	5	11	217	194	411
1983	151	122	273	5	4	9	9	8	17	67	73	140	0	0	0	2	1	3	6	7	13	240	215	455
1984	95	106	201	5	9	14	11	9	20	68	98	166	0	0	0	3	1	4	6	6	12	188	229	417
1985	181	176	357	15	11	26	9	7	16	57	97	154	0	0	0	2	4	6	17	12	29	281	307	588
1986	173	190	363	16	14	30	13	10	23	48	101	149	0	0	0	0	0	0	28	17	45	278	332	610
1987	190	227	417	14	22	36	12	14	26	46	121	167	0	0	0	2	2	4	27	13	40	291	399	690
1988	221	328	549	12	32	44	13	13	26	59	95	154	2	0	2	0	1	1	15	22	37	322	491	813
1989	210	342	552	19	29	48	9	14	23	64	118	182	2	1	3	2	0	2	8	21	29	314	525	839
1990	258	371	629	7	22	29	9	20	29	100	124	224	1	1	2	0	0	0	13	20	33	388	558	946

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 11C: NUMBER OF ENTRY-LEVEL DEGREES (BACCALAUREATE AND PHARM.D.1) CONFERRED 1976-1990 BY GENDER AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN, PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
YEAR	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
1976	4541	1828	6369	107	76	183	97	144	241	136	86	222	9	2	11	91	36	127	209	102	311	5190	2274	7464
1977	4715	2152	6867	107	119	226	139	176	315	137	101	238	6	3	9	5	3	8	254	94	348	5363	2648	8011
1978	4396	2340	6736	125	108	233	127	171	298	136	115	251	5	1	6	17	13	30	155	76	231	4961	2824	7785
1979	4025	2470	6495	114	158	272	99	189	288	146	121	267	13	2	15	9	11	20	132	67	199	4538	3018	7556
1980	3876	2459	6335	110	139	249	97	180	277	161	131	292	7	1	8	27	22	49	143	79	222	4421	3011	7432
1981	3512	2693	6205	88	142	230	128	233	361	138	150	288	1	4	5	5	2	7	146	81	227	4018	3305	7323
1982	3129	2681	5810	94	156	250	88	153	241	165	152	317	7	6	13	12	6	18	139	71	210	3634	3225	6859
1983	2696	2493	5189	85	156	241	95	166	261	143	173	316	5	3	8	56	37	93	154	112	266	3234	3140	6374
1984	2334	2342	4676	98	144	242	138	79	217	148	191	339	6	4	10	103	71	174	187	118	305	3014	2949	5963
1985	2130	2461	4591	110	140	250	98	147	245	118	202	320	2	4	6	3	5	8	182	133	315	2643	3092	5735
1986	2087	2447	4534	118	188	306	91	126	217	134	199	333	7	4	11	0	0	0	211	188	399	2648	3152	5800
1987	2012	2547	4559	102	196	298	97	161	258	124	247	371	4	4	8	7	8	15	180	165	345	2526	3328	5854
1988	2089	2854	4943	94	188	282	84	164	248	118	217	335	6	6	12	10	17	27	166	171	337	2567	3617	6184
1989	2045	2995	5040	94	216	310	86	163	249	154	300	454	6	6	12	43	47	90	199	206	405	2627	3933	6560
1990	2171	3132	5303	114	254	368	77	177	254	220	366	586	4	7	11	30	58	88	165	181	346	2781	4175	6956

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 11D: NUMBER OF DOCTOR OF PHARMACY DEGREES CONFERRED AS POST-BACCALAUREATE DEGREES (PHARM.D.2) 1976-1990 BY GENDER AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN, PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
YEAR	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
1976	82	32	114	3	1	4	0	1	1	0	1	1	0	0	0	0	1	1	3	2	5	88	38	126
1977	136	36	172	0	0	0	0	0	0	5	2	7	0	0	0	0	0	0	6	4	10	147	42	189
1978	126	55	181	0	4	4	1	2	3	4	3	7	0	0	0	0	0	0	1	1	2	132	65	197
1979	133	46	179	2	1	3	1	0	1	1	1	2	0	0	0	0	0	0	2	3	5	139	51	190
1980	109	52	161	3	1	4	0	2	2	3	0	3	0	0	0	0	0	0	5	5	10	120	60	180
1981	91	80	171	2	5	7	7	2	9	2	3	5	0	0	0	0	1	1	7	10	17	109	101	210
1982	104	68	172	2	4	6	0	3	3	2	7	9	1	0	1	0	0	0	10	6	16	119	88	207
1983	114	103	217	5	18	23	2	5	7	5	4	9	0	0	0	0	0	0	10	5	15	136	135	271
1984	135	133	268	4	6	10	0	5	5	4	4	8	0	0	0	2	2	4	24	12	36	169	162	331
1985	98	76	174	3	10	13	1	1	2	3	4	7	1	0	1	2	4	6	13	8	21	121	103	224
1986	75	79	154	4	11	15	0	6	6	3	3	6	0	0	0	0	0	0	15	14	29	97	113	210
1987	72	98	170	0	5	5	3	4	7	1	5	6	0	0	0	1	3	4	9	11	20	86	126	212
1988	60	64	124	1	4	5	0	1	1	1	2	3	0	0	0	0	0	0	12	14	26	74	85	159
1989	77	94	171	4	5	9	1	2	3	6	8	14	0	0	0	0	0	0	11	14	25	99	123	222
1990	100	144	244	5	8	13	2	8	10	3	7	10	0	0	0	2	2	4	6	15	21	118	184	302

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 11E: NUMBER OF MASTER OF SCIENCE DEGREES (M.S.) CONFERRED 1976-1990 BY GENDER AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN, PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
YEAR	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
1976	220	59	279	5	1	6	2	2	4	18	6	24	0	0	0	7	0	7	49	24	73	301	92	393
1977	227	64	291	3	2	5	0	1	1	14	4	18	0	0	0	3	0	3	62	19	81	309	90	399
1978	225	68	293	7	3	10	0	3	3	16	9	25	0	0	0	3	1	4	54	33	87	305	117	422
1979	228	81	309	7	3	10	2	1	3	17	9	26	0	0	0	5	0	5	42	40	82	301	134	435
1980	224	75	299	5	5	10	1	2	3	11	16	27	0	0	0	24	17	41	50	35	85	315	150	465
1981	192	113	305	8	9	17	0	2	2	6	8	14	0	0	0	1	0	1	64	31	95	271	163	434
1982	189	93	282	2	3	5	2	4	6	2	4	6	1	0	1	10	17	27	87	44	131	293	165	458
1983	183	99	282	1	1	2	1	3	4	6	4	10	0	0	0	28	12	40	58	30	88	277	149	426
1984	168	86	254	3	5	8	1	3	4	12	4	16	0	0	0	16	5	21	53	38	91	253	141	394
1985	134	81	215	2	8	10	2	1	3	8	3	11	0	0	0	1	0	1	63	35	98	210	128	338
1986	166	116	282	6	0	6	3	5	8	5	2	7	1	0	1	0	0	0	64	47	111	245	170	415
1987	136	95	231	2	4	6	2	2	4	3	8	11	0	0	0	11	3	14	43	39	82	197	151	348
1988	125	102	227	8	4	12	2	2	4	6	3	9	0	2	2	1	1	2	52	45	97	194	159	353
1989	131	103	234	6	2	8	1	6	7	14	2	16	0	0	0	1	1	2	73	51	124	226	165	391
1990	120	89	209	6	6	12	5	6	11	12	16	28	0	1	1	4	4	8	55	61	116	202	183	385

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 11F: NUMBER OF DOCTOR OF PHILOSOPHY DEGREES (PH.D.) CONFERRED 1976-1990 BY GENDER AND RACE/ETHNICITY

	WHITE[a]			BLACK[c]			HISPANIC[a]			ASIAN, PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
YEAR	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
1976	108	10	118	0	0	0	1	0	1	7	5	12	0	0	0	9	4	13	38	7	45	163	26	189
1977	91	8	99	2	0	2	1	0	1	5	0	5	0	1	1	0	0	0	48	10	58	147	19	166
1978	106	10	116	1	0	1	0	1	1	8	1	9	0	0	0	3	0	3	40	8	48	158	20	178
1979	85	13	98	1	0	1	0	0	0	4	2	6	0	0	0	2	0	2	33	13	46	125	28	153
1980	96	16	112	3	0	3	1	0	1	10	2	12	0	0	0	2	1	3	43	15	58	155	34	189
1981	112	21	133	1	0	1	1	0	1	6	2	8	0	0	0	0	0	0	32	5	37	152	28	180
1982	105	21	126	1	0	1	1	0	1	2	1	3	0	0	0	1	0	1	36	14	50	146	36	182
1983	104	28	132	0	0	0	1	0	1	6	3	9	0	0	0	3	1	4	40	22	62	154	54	208
1984	105	30	135	2	0	2	5	2	7	11	2	13	0	0	0	6	0	6	45	19	64	174	53	227
1985	106	34	140	2	0	2	1	1	2	6	4	10	1	0	1	0	0	0	59	18	77	175	57	232
1986	112	48	160	2	0	2	1	0	1	4	2	6	0	0	0	0	0	0	73	18	91	192	68	260
1987	119	43	162	2	0	2	4	0	4	7	6	13	0	0	0	7	1	8	64	30	94	203	80	283
1988	97	48	145	1	1	2	3	0	3	4	2	6	0	0	0	1	1	2	82	23	105	188	75	263
1989	100	54	154	1	3	4	2	2	4	6	4	10	0	0	0	3	3	6	63	46	109	175	112	287
1990	100	51	151	4	3	7	1	0	1	17	7	24	0	0	0	6	2	8	53	29	82	181	92	273

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 12A: PERCENT OF BACCALAUREATE DEGREE (B.S.PHARMACY, B.PHARM.) RECIPIENTS 1976-1990 BY RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN, PACIFIC ISLANDER[a,b]		AMERICAN INDIAN, ESKIMO, ALEUT[a]		OTHER[a,c]		FOREIGN[d]	
YEAR	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1976	6191	87.1	183	2.6	241	3.4	149	2.1	11	0.2	36	0.5	294	4.1
1977	6653	87.0	218	2.9	305	4.0	138	1.8	9	0.1	8	0.1	318	4.2
1978	6533	87.9	225	3.0	283	3.8	150	2.0	2	0.0	30	0.4	207	2.8
1979	6194	87.3	258	3.6	272	3.8	152	2.1	15	0.2	20	0.3	184	2.6
1980	6054	86.7	238	3.4	256	3.7	172	2.5	5	0.1	49	0.7	211	3.0
1981	5912	86.1	216	3.1	349	5.1	170	2.5	3	0.0	7	0.1	212	3.1
1982	5558	86.2	238	3.7	224	3.5	198	3.1	13	0.2	18	0.3	199	3.1
1983	4916	83.1	232	3.9	244	4.1	176	3.0	8	0.1	90	1.5	253	4.3
1984	4475	80.7	228	4.1	197	3.6	173	3.1	10	0.2	170	3.1	293	5.3
1985	4234	82.3	224	4.4	229	4.4	166	3.2	6	0.1	2	0.0	286	5.6
1986	4171	80.4	276	5.3	194	3.7	184	3.5	11	0.2	0	0.0	354	6.8
1987	4142	80.2	262	5.1	232	4.5	204	4.0	8	0.2	11	0.2	305	5.9
1988	4394	81.8	238	4.4	222	4.1	181	3.4	10	0.2	26	0.5	300	5.6
1989	4488	78.4	262	4.6	226	4.0	272	4.8	9	0.2	88	1.5	376	6.6
1990	4674	77.8	339	5.6	225	3.7	362	6.0	9	0.1	88	1.5	313	5.2

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 12B: PERCENT OF DOCTOR OF PHARMACY DEGREE (PHARM.D.1) RECIPIENTS 1976-1990 BY RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN, PACIFIC ISLANDER[a,b]		AMERICAN INDIAN, ESKIMO, ALEUT[a]		OTHER[a,c]		FOREIGN[d]	
YEAR	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1976	178	49.6	0	0.0	0	0.0	73	20.3	0	0.0	91	25.3	17	4.7
1977	214	59.1	8	2.2	10	2.8	100	27.6	0	0.0	0	0.0	30	8.3
1978	203	57.2	8	2.3	15	4.2	101	28.5	4	1.1	0	0.0	24	6.8
1979	301	65.3	14	3.0	16	3.5	115	24.9	0	0.0	0	0.0	15	3.3
1980	281	62.9	11	2.5	21	4.7	120	26.8	3	0.7	0	0.0	11	2.5
1981	293	64.5	14	3.1	12	2.6	118	26.0	2	0.4	0	0.0	15	3.3
1982	252	61.3	12	2.9	17	4.1	119	29.0	0	0.0	0	0.0	11	2.7
1983	273	60.0	9	2.0	17	3.7	140	30.8	0	0.0	3	0.7	13	2.9
1984	201	48.2	14	3.4	20	4.8	166	39.8	0	0.0	4	1.0	12	2.9
1985	357	60.7	26	4.4	16	2.7	154	26.2	0	0.0	6	1.0	29	4.9
1986	363	59.5	30	4.9	23	3.8	149	24.4	0	0.0	0	0.0	45	7.4
1987	417	60.4	36	5.2	26	3.8	167	24.2	0	0.0	4	0.6	40	5.8
1988	549	67.5	44	5.4	26	3.2	154	18.9	2	0.2	1	0.1	37	4.6
1989	552	65.8	48	5.7	23	2.7	182	21.7	3	0.4	2	0.2	29	3.5
1990	629	66.5	29	3.1	29	3.1	224	23.7	2	0.2	0	0.0	33	3.5

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 12C: PERCENT OF DOCTOR OF PHARMACY DEGREE (PHARM.D.2) RECIPIENTS 1976-1990 BY RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN, PACIFIC ISLANDER[a,b]		AMERICAN INDIAN, ESKIMO, ALEUT[a]		OTHER[a,c]		FOREIGN[d]	
YEAR	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1976	114	90.5	4	3.2	1	0.8	1	0.8	0	0.0	1	0.8	5	4.0
1977	172	91.0	0	0.0	0	0.0	7	3.7	0	0.0	0	0.0	10	5.3
1978	181	91.9	4	2.0	3	1.5	7	3.6	0	0.0	0	0.0	2	1.0
1979	179	94.2	3	1.6	1	0.5	2	1.1	0	0.0	0	0.0	5	2.6
1980	161	89.4	4	2.2	2	1.1	3	1.7	0	0.0	0	0.0	10	5.6
1981	171	81.4	7	3.3	9	4.3	5	2.4	0	0.0	1	0.5	17	8.1
1982	172	83.1	6	2.9	3	1.4	9	4.3	1	0.5	0	0.0	16	7.7
1983	217	80.1	23	8.5	7	2.6	9	3.3	0	0.0	0	0.0	15	5.5
1984	268	81.0	10	3.0	5	1.5	8	2.4	0	0.0	4	1.2	36	10.9
1985	174	77.7	13	5.8	2	0.9	7	3.1	1	0.4	6	2.7	21	9.4
1986	154	73.3	15	7.1	6	2.9	6	2.9	0	0.0	0	0.0	29	13.8
1987	170	80.2	5	2.4	7	3.3	6	2.8	0	0.0	4	1.9	20	9.4
1988	124	78.0	5	3.1	1	0.6	3	1.9	0	0.0	0	0.0	26	16.4
1989	171	77.0	9	4.1	3	1.4	14	6.3	0	0.0	0	0.0	25	11.3
1990	244	80.8	13	4.3	10	3.3	10	3.3	0	0.0	4	1.3	21	7.0

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 12D: PERCENT OF MASTER OF SCIENCE DEGREE (M.S.) RECIPIENTS 1976-1990 BY RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN, PACIFIC ISLANDER[a,b]		AMERICAN INDIAN, ESKIMO, ALEUT[a]		OTHER[a,c]		FOREIGN[d]	
YEAR	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1976	279	71.0	6	1.5	4	1.0	24	6.1	0	0.0	7	1.8	73	18.6
1977	291	72.9	5	1.3	1	0.3	18	4.5	0	0.0	3	0.8	81	20.3
1978	293	69.4	10	2.4	3	0.7	25	5.9	0	0.0	4	0.9	87	20.6
1979	309	71.0	10	2.3	3	0.7	26	6.0	0	0.0	5	1.1	82	18.9
1980	299	64.3	10	2.2	3	0.6	27	5.8	0	0.0	41	8.8	85	18.3
1981	305	70.3	17	3.9	2	0.5	14	3.2	0	0.0	1	0.2	95	21.9
1982	282	61.6	5	1.1	6	1.3	6	1.3	1	0.2	27	5.9	131	28.6
1983	282	66.2	2	0.5	4	0.9	10	2.3	0	0.0	40	9.4	88	20.7
1984	254	64.5	8	2.0	4	1.0	16	4.1	0	0.0	21	5.3	91	23.1
1985	215	63.6	10	3.0	3	0.9	11	3.3	0	0.0	1	0.3	98	29.0
1986	282	68.0	6	1.4	8	1.9	7	1.7	1	0.2	0	0.0	111	26.7
1987	231	66.4	6	1.7	4	1.1	11	3.2	0	0.0	14	4.0	82	23.6
1988	227	64.3	12	3.4	4	1.1	9	2.5	2	0.6	2	0.6	97	27.5
1989	234	59.8	8	2.0	7	1.8	16	4.1	0	0.0	2	0.5	124	31.7
1990	209	54.3	12	3.1	11	2.9	28	7.3	1	0.3	8	2.1	116	30.1

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 12E: PERCENT OF DOCTOR OF PHILOSOPHY DEGREE (PH.D) RECIPIENTS 1976-1990 BY RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN, PACIFIC ISLANDER[a,b]		AMERICAN INDIAN, ESKIMO, ALEUT[a]		OTHER[a,c]		FOREIGN[d]	
YEAR	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1976	118	62.4	0	0.0	1	0.5	12	6.3	0	0.0	13	6.9	45	23.8
1977	99	59.6	2	1.2	1	0.6	5	3.0	1	0.6	0	0.0	58	34.9
1978	116	65.2	1	0.6	1	0.6	9	5.1	0	0.0	3	1.7	48	27.0
1979	98	64.1	1	0.7	0	0.0	6	3.9	0	0.0	2	1.3	46	30.0
1980	112	59.3	3	1.6	1	0.5	12	6.3	0	0.0	3	1.6	58	30.7
1981	133	73.9	1	0.6	1	0.6	8	4.4	0	0.0	0	0.0	37	20.6
1982	126	69.2	1	0.5	1	0.5	3	1.6	0	0.0	1	0.5	50	27.5
1983	132	63.5	0	0.0	1	0.5	9	4.3	0	0.0	4	1.9	62	29.8
1984	135	59.5	2	0.9	7	3.1	13	5.7	0	0.0	6	2.6	64	28.2
1985	140	60.3	2	0.9	2	0.9	10	4.3	1	0.4	0	0.0	77	33.2
1986	160	61.5	2	0.8	1	0.4	6	2.3	0	0.0	0	0.0	91	35.0
1987	162	57.2	2	0.7	4	1.4	13	4.6	0	0.0	8	2.8	94	33.2
1988	145	55.1	2	0.8	3	1.1	6	2.3	0	0.0	2	0.8	105	39.9
1989	154	53.7	4	1.4	4	1.4	10	3.5	0	0.0	6	2.1	109	38.0
1990	151	55.3	7	2.6	1	0.4	24	8.8	0	0.0	8	2.9	82	30.0

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 13A: BACCALAUREATE DEGREE (B.S.PHARMACY, B.PHARM.) RECIPIENTS 1976-1990 BY RESIDENCY/CITIZENSHIP

	TOTAL	US CITIZEN/PERMANENT RESIDENT		FOREIGN/NON-PERMANENT RESIDENT	
YEAR	N	N	Percent	N	Percent
1976	7105	6811	95.9	294	4.1
1977	7649	7331	95.8	318	4.2
1978	7430	7223	97.2	207	2.8
1979	7095	6911	97.4	184	2.6
1980	6985	6774	97.0	211	3.0
1981	6869	6657	96.9	212	3.1
1982	6448	6249	96.9	199	3.1
1983	5919	5666	95.7	253	4.3
1984	5546	5253	94.7	293	5.3
1985	5147	4861	94.4	286	5.6
1986	5190	4836	93.2	354	6.8
1987	5164	4859	94.1	305	5.9
1988	5371	5071	94.4	300	5.6
1989	5721	5345	93.4	376	6.6
1990	6010	5697	94.8	313	5.2

TABLE 13B: DOCTOR OF PHARMACY DEGREE (PHARM.D.1) RECIPIENTS 1976-1990 BY RESIDENCY/CITIZENSHIP

	TOTAL	US CITIZEN/PERMANENT RESIDENT		FOREIGN/NON-PERMANENT RESIDENT	
YEAR	N	N	Percent	N	Percent
1976	359	342	95.3	17	4.7
1977	362	332	91.7	30	8.3
1978	355	331	93.2	24	6.8
1979	461	446	96.7	15	3.3
1980	447	436	97.5	11	2.5
1981	454	439	96.7	15	3.3
1982	411	400	97.3	11	2.7
1983	455	442	97.1	13	2.9
1984	417	405	97.1	12	2.9
1985	588	559	95.1	29	4.9
1986	610	565	92.6	45	7.4
1987	690	650	94.2	40	5.8
1988	813	776	95.4	37	4.6
1989	839	810	96.5	29	3.5
1990	946	913	96.5	33	3.5

TABLE 13C: DOCTOR OF PHARMACY DEGREE (PHARM.D.2) RECIPIENTS 1976-1990 BY RESIDENCY/CITIZENSHIP

	TOTAL	US CITIZEN/PERMANENT RESIDENT		FOREIGN/NON-PERMANENT RESIDENT	
YEAR	N	N	Percent	N	Percent
1976	126	121	96.0	5	4.0
1977	189	179	94.7	10	5.3
1978	197	195	99.0	2	1.0
1979	190	185	97.4	5	2.6
1980	180	170	94.4	10	5.6
1981	210	193	91.9	17	8.1
1982	207	191	92.3	16	7.7
1983	271	256	94.5	15	5.5
1984	331	295	89.1	36	10.9
1985	224	203	90.6	21	9.4
1986	210	181	86.2	29	13.8
1987	212	192	90.6	20	9.4
1988	159	133	83.6	26	16.4
1989	222	197	88.7	25	11.3
1990	302	281	93.0	21	7.0

TABLE 13D: MASTER OF SCIENCE DEGREE (M.S.) RECIPIENTS 1976-1990 BY RESIDENCY/CITIZENSHIP

	TOTAL	US CITIZEN/PERMANENT RESIDENT		FOREIGN/NON-PERMANENT RESIDENT	
YEAR	N	N	Percent	N	Percent
1976	393	320	81.4	73	18.6
1977	399	318	79.7	81	20.3
1978	422	335	79.4	87	20.6
1979	435	353	80.9	82	19.1
1980	465	380	81.7	85	18.3
1981	434	339	78.1	95	21.9
1982	458	327	71.4	131	28.6
1983	426	338	79.3	88	20.7
1984	394	303	76.9	91	23.1
1985	338	240	71.0	98	29.0
1986	415	304	73.3	111	26.7
1987	348	266	76.4	82	23.6
1988	353	256	72.5	97	27.5
1989	391	267	68.3	124	31.7
1990	385	269	69.9	116	30.1

TABLE 13E: DOCTOR OF PHILOSOPHY DEGREE (PH.D.) RECIPIENTS 1976-1990 BY RESIDENCY/CITIZENSHIP

	TOTAL	US CITIZEN/PERMANENT RESIDENT		FOREIGN/NON-PERMANENT RESIDENT	
YEAR	N	N	Percent	N	Percent
1976	189	144	76.2	45	23.8
1977	166	108	65.1	58	34.9
1978	178	130	73.0	48	27.0
1979	153	107	70.0	46	30.0
1980	189	131	69.3	58	30.7
1981	180	143	79.4	37	20.6
1982	182	132	72.5	50	27.5
1983	208	146	70.2	62	29.8
1984	227	163	71.8	64	28.2
1985	232	155	66.8	77	33.2
1986	260	169	65.0	91	35.0
1987	283	189	66.8	94	33.2
1988	263	158	60.1	105	39.9
1989	287	178	62.0	109	38.0
1990	273	191	70.0	82	30.0

TABLE 14A: NUMBER OF BACCALAUREATE DEGREES (B.S.PHARMACY, B.PHARM.) CONFERRED 1989-90 BY SCHOOL/COLLEGE OF PHARMACY, GENDER, AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN, PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
SCHOOL	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
Auburn	27	57	84	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	60	87
Samford	42	42	84	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	42	43	85
Arkansas	21	45	66	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	48	69
Pacific	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Colorado	26	37	63	4	0	4	2	1	3	1	6	7	0	0	0	0	2	2	1	1	2	34	47	81
Connecticut	19	66	85	0	0	0	0	1	1	2	4	6	0	0	0	0	0	0	0	0	0	21	71	92
Howard	1	0	1	4	23	27	0	0	0	0	2	2	0	0	0	0	0	0	10	14	24	15	39	54
Florida A & M	6	5	11	8	24	32	2	2	4	0	0	0	0	0	0	0	0	0	4	1	5	20	32	52
Southeastern	3	7	10	2	0	2	4	8	12	0	0	0	0	0	0	0	0	0	0	0	0	9	15	24
Florida	20	17	37	0	0	0	2	3	5	0	1	1	0	0	0	0	0	0	0	0	0	22	21	43
Georgia	89	85	144	2	7	9	0	1	1	4	0	4	0	0	0	0	0	0	0	0	0	65	93	158
Idaho State	10	6	16	0	0	0	0	0	0	2	1	3	0	0	0	0	0	0	1	0	1	13	7	20
Butler	20	41	61	0	2	2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	20	44	64
Purdue	56	83	139	0	1	1	0	0	0	0	5	5	0	0	0	0	0	0	1	2	3	57	91	148
Drake	26	39	65	0	1	1	0	0	0	3	6	9	0	0	0	1	0	1	1	1	2	31	47	78
Iowa	29	49	78	0	2	2	0	0	0	0	1	1	0	0	0	0	1	1	1	4	5	30	57	87
Kansas	31	29	60	1	0	1	0	0	0	1	2	3	0	0	0	0	0	0	2	4	6	35	35	70
Kentucky	29	45	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	45	74
Northeast Louisiana	54	68	122	5	12	17	0	0	0	5	5	10	0	0	0	2	0	2	1	1	2	67	86	153
Xavier	4	12	16	7	39	46	0	1	1	1	2	3	0	0	0	0	0	0	5	4	9	17	58	75
Maryland	23	35	58	2	3	5	0	3	3	5	21	26	0	0	0	0	0	0	1	3	4	31	65	96
Massachusetts COP/AHS	81	77	158	0	3	3	3	11	14	4	7	11	0	0	0	0	0	0	22	23	45	110	121	231
Northeastern	26	22	48	1	0	1	0	0	0	0	6	6	0	0	0	0	0	0	7	9	16	34	37	71
Ferris State	47	62	109	4	1	5	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	53	63	116
Wayne State	38	35	73	1	2	3	0	0	0	2	3	5	0	0	0	0	0	0	5	2	7	46	42	88
Minnesota	23	49	72	0	0	0	1	1	2	1	4	5	0	0	0	0	0	0	1	4	5	25	58	83
Mississippi	31	46	77	2	1	3	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	34	47	81
St. Louis	69	89	158	4	3	7	2	0	2	0	5	5	0	0	0	0	0	0	0	2	2	75	99	174
Missouri-KC	12	22	34	1	1	2	0	0	0	2	1	3	0	0	0	1	0	1	0	1	1	16	25	41
Montana	17	16	33	0	0	0	0	0	0	1	2	3	1	1	2	1	0	1	0	0	0	20	19	39
Creighton	20	28	48	2	2	4	1	6	7	1	4	5	0	0	0	2	0	2	0	0	0	26	40	66
Rutgers	57	51	88	1	1	2	2	3	5	7	9	16	0	0	0	0	0	0	0	1	1	47	65	112
New Mexico	16	21	37	0	0	0	6	11	17	1	0	1	1	2	3	0	0	0	8	0	8	32	34	66
A & M Schwartz	35	21	56	19	18	37	2	18	20	17	17	34	0	0	0	0	0	0	2	6	8	75	80	155
St. John's	53	81	134	2	3	5	3	3	6	4	14	18	0	0	0	0	1	1	25	36	61	87	138	225
Buffalo	21	24	45	0	0	0	0	0	0	1	6	7	0	0	0	0	0	0	3	4	7	25	34	59
Albany	42	64	106	0	0	0	1	1	2	1	2	3	0	0	0	0	0	0	1	2	3	45	69	114
North Carolina-CH	44	116	160	1	7	8	0	1	1	1	7	8	1	1	2	0	0	0	0	0	0	47	132	179
North Dakota	26	45	71	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	0	2	28	46	74
Ohio Northern	39	49	88	1	1	2	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	42	50	92
Ohio State	54	77	131	1	2	3	0	0	0	2	1	3	0	0	0	0	0	0	2	2	4	59	82	141
Cincinnati	37	36	73	0	2	2	0	0	0	2	1	3	0	0	0	0	1	1	0	1	1	39	41	80
Toledo	39	42	81	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	4	4	8	43	47	90
S.W. Oklahoma	54	49	103	0	0	0	1	0	1	3	3	6	0	0	0	1	0	1	2	1	3	60	54	114
Oklahoma	23	41	64	1	1	2	0	0	0	3	5	8	0	0	0	0	0	0	0	0	0	27	47	74
Oregon State	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	52	73	0	0	0	21	52	73
Duquesne	29	71	100	1	1	2	0	1	1	1	1	2	0	0	0	0	0	0	0	3	3	31	77	108
Philadelphia	83	104	187	6	6	12	0	1	1	8	13	21	0	0	0	0	0	0	0	5	5	97	129	226
Temple	56	54	110	0	4	4	0	0	0	11	23	34	0	0	0	0	0	0	1	5	6	68	82	150
Pittsburgh	48	55	103	1	3	4	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	49	60	109
Puerto Rico	0	0	0	0	0	0	14	61	75	0	0	0	0	0	0	0	0	0	0	0	0	14	61	75
Rhode Island	23	66	89	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	1	0	1	24	67	91
Med. U. of S.Carolina	19	44	63	0	2	2	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2	21	48	69
South Carolina	19	50	69	0	5	5	0	1	1	0	1	1	0	0	0	0	0	0	1	0	1	20	56	76
South Dakota	15	35	50	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	15	36	51
Texas Southern	2	2	4	20	32	52	0	0	0	0	0	0	0	0	0	0	0	0	25	14	39	47	48	95
Houston	27	37	64	0	1	1	5	4	9	7	16	23	0	0	0	0	0	0	6	2	8	45	60	105
Texas-Austin	31	75	106	2	2	4	14	12	26	6	9	15	0	0	0	0	0	0	1	5	6	54	100	154
Utah	20	15	35	0	0	0	2	0	2	1	4	5	0	0	0	0	0	0	1	5	6	24	21	45
Virginia Commonwealth	30	61	91	1	3	4	0	0	0	1	6	7	0	0	0	0	0	0	0	0	0	32	70	102
Washington	16	26	42	0	1	1	1	1	2	3	1	4	0	0	0	0	0	0	0	0	0	20	29	49
Washington State	18	13	31	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	18	16	34
West Virginia	26	42	68	0	1	1	0	0	0	1	5	6	0	0	0	0	0	0	0	0	0	27	48	75
Wisconsin-Madison	50	55	105	0	1	1	1	1	2	1	5	6	0	0	0	0	1	1	1	1	2	52	64	116
Wyoming	20	15	35	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	20	17	37
TOTAL	1913	2761	4674	107	232	339	68	157	225	120	242	362	3	6	9	30	58	88	152	161	313	2393	3617	6010

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 148: NUMBER OF DOCTOR OF PHARMACY DEGREES CONFERRED 1989-90 AS FIRST PROFESSIONAL DEGREES (PHARM.D.1) BY SCHOOL/COLLEGE OF PHARMACY, GENDER, AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN, PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
SCHOOL	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
Arizona	8	13	21	0	0	0	0	1	1	1	1	2	0	0	0	0	0	0	1	2	3	10	17	27
California-SF	24	22	46	1	2	3	2	3	5	35	24	59	0	0	0	0	0	0	0	2	2	62	53	115
Pacific	24	23	47	0	3	3	1	4	5	19	30	49	0	0	0	0	0	0	3	3	6	47	63	110
Southern California	17	29	46	1	2	3	2	3	5	24	42	66	0	0	0	0	0	0	3	7	10	47	83	130
Howard	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	3
Florida A & M	0	0	0	0	3	3	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	2	3	5
Florida	15	19	34	0	0	0	3	3	6	3	4	7	0	0	0	0	0	0	0	0	0	21	26	47
Mercer	27	50	77	1	4	5	1	4	5	0	2	2	1	0	1	0	0	0	0	0	0	30	60	90
Idaho State	10	5	15	1	0	1	0	0	0	3	0	3	0	0	0	0	0	0	2	0	2	16	5	21
Illinois	25	49	74	1	6	7	0	2	2	5	16	21	0	0	0	0	0	0	0	0	0	31	73	104
Purdue	4	7	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	11
Kansas	2	2	4	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	3	2	5
Kentucky	6	11	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	7	13	20
Maryland	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Michigan	9	20	29	1	0	1	0	0	0	0	2	2	0	0	0	0	0	0	0	1	1	10	23	33
Minnesota	5	14	19	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	5	15	20
St. Louis	6	6	12	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	7	8	15
Creighton	8	14	22	0	0	0	0	0	0	4	2	6	0	0	0	0	0	0	1	0	1	13	16	29
Nebraska	16	19	35	0	0	0	0	0	0	2	0	2	0	1	1	0	0	0	0	2	2	18	22	40
Campbell	19	24	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	24	43
North Carolina-CH	2	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5
Tennessee	28	36	64	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	30	36	66
Texas-Austin	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
Virginia Commonwealth	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
TOTAL	258	371	629	7	22	29	9	20	29	100	124	224	1	1	2	0	0	0	13	20	33	388	558	946

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 14C: NUMBER OF DOCTOR OF PHARMACY DEGREES CONFERRED 1989-90 AS POST-BACCALAUREATE DEGREES (PHARM.D.2) BY SCHOOL/COLLEGE OF PHARMACY, GENDER, AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
SCHOOL	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
California-SF	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Howard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
Florida A & M	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Southeastern	1	3	4	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	5	6
Florida	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
Mercer	12	10	22	2	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	14	15	29
Georgia	5	9	14	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	15
Idaho State	8	6	14	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	8	8	16
Illinois	6	10	16	0	0	0	1	1	2	1	1	2	0	0	0	0	0	0	0	0	0	8	12	20
Purdue	2	7	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	7	10
Iowa	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	5
Kansas	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
Kentucky	12	11	23	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	12	13	25
Xavier	0	0	0	1	2	3	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	2	4
Maryland	0	6	6	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8
Massachusetts COP/AHS	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Northeastern	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	2	4
Michigan	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
Wayne State	2	7	9	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	10	13
Minnesota	2	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	5	8
Creighton	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	2	2
St. John's	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	3	4
Buffalo	5	2	7	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	6	2	8
North Caroline-CH	3	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	7
North Dakota	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Ohio State	4	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	5
Cincinnati	2	4	6	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7
Duquesne	3	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	7
Philadelphia	5	7	12	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	6	7	13
Rhode Island	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Med. U. of S.Carolina	6	8	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6	11	17
South Carolina	1	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	7
Tennessee	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	3	4
Texas Southern	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	1	2	3
Texas-Austin	6	8	14	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	1	0	1	7	10	17
Utah	1	3	4	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	1	5	6
Virginia Commonwealth	1	4	5	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	5	6
Washington	4	3	7	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	4	4	8
TOTAL	100	144	244	5	8	13	2	8	10	3	7	10	0	0	0	2	2	4	6	15	21	118	184	302

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 14D: NUMBER OF MASTER OF SCIENCE DEGREES (M.S.) CONFERRED 1989-90 BY SCHOOL/COLLEGE OF PHARMACY, GENDER, AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN, PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
SCHOOL	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
Auburn	3	2	5	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	7	8	15	11	10	21
Arizona	5	4	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	6	7	13
Pacific	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	2	3
Southern California	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	2	4	6
Connecticut	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	5	3	3	6
Florida	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Mercer	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Georgia	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3
Idaho State	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Illinois	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Butler	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Purdue	2	2	4	0	1	1	1	2	3	1	3	4	0	0	0	0	0	0	0	1	1	4	9	13
Iowa	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	3	2	5
Kansas	12	12	24	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	5	1	6	17	14	31
Kentucky	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
Northeast Louisiana	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	2
Maryland	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Massachusetts COP/AHS	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	3	6
Northeastern	1	1	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	3	4	7
Michigan	1	1	2	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	3	3	1	6	7
Wayne State	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	4	2	6
Minnesota	1	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	5	7
Mississippi	1	3	4	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	5	0	5	8	3	11
St. Louis	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Missouri-KC	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	3	0	3
Montana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	2	2	1	3
Rutgers	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
New Mexico	2	1	3	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	1	3	4	3	7
A & M Schwartz	16	10	26	2	4	6	1	0	1	5	4	9	0	0	0	0	0	0	3	4	7	27	22	49
St. John's	12	9	21	0	1	1	1	1	2	1	1	2	0	0	0	1	4	5	7	5	12	22	21	43
Buffalo	0	2	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	3	3
North Carolina-CH	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5
North Dakota	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Ohio State	8	3	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	8	4	12
Cincinnati	2	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	7	7	7	14
Toledo	1	0	1	0	0	0	0	0	0	2	1	3	0	0	0	0	0	0	0	1	1	3	2	5
Oklahoma	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
Oregon State	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Duquesne	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	2	5
Philadelphia	0	1	1	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	2	3
Temple	10	6	16	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	11	11	22
Puerto Rico	0	0	0	0	0	0	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
Rhode Island	3	2	5	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	3	0	3	6	3	9
South Carolina	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Tennessee	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Houston	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	3	2	5
Texas-Austin	4	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	4	8
Utah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2
Virginia Commonwealth	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	2
Washington	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Washington State	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	2	2
Wisconsin-Madison	8	3	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	8	4	12
TOTAL	120	89	209	6	6	12	5	6	11	12	16	28	0	1	1	4	4	8	55	61	116	202	183	385

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 14E: NUMBER OF DOCTOR OF PHILOSOPHY DEGREES (PH.D.) CONFERRED 1989-90 BY SCHOOL/COLLEGE OF PHARMACY, GENDER, AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
SCHOOL	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
Auburn	5	0	5	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9	0	9
Arizona	3	2	5	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	4	2	6
California-SF	5	7	12	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	5	9	14
Pacific	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Southern California	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
Colorado	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	2
Connecticut	3	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	7	2	9
Florida A & M	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Florida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2	0	2
Georgia	1	4	5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	1	4	5	5	10
Illinois at Chicago	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Purdue	5	0	5	0	1	1	0	0	0	4	3	7	0	0	0	2	0	2	0	1	1	11	5	16
Iowa	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	7	11	3	14
Kansas	4	1	5	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	3	0	3	8	1	9
Kentucky	3	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	4	5	9
Northeast Louisiana	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	2	2	4
Maryland	5	2	7	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	8	2	10
Massachusetts COP/AHS	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Northeastern	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	2
Michigan	3	2	5	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	3	4	4	6	10
Wayne State	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Minnesota	2	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4	5	4	9
Mississippi	3	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	7	3	10
Missouri-KC	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
Nebraska	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Rutgers	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	2	4	6
St. John's	5	1	6	0	0	0	0	0	0	2	0	2	0	0	0	2	0	2	3	2	5	12	3	15
Buffalo	1	3	4	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	1	1	1	5	6
North Carolina-CH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Ohio State	5	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	6	4	10
Cincinnati	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Oregon State	1	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	6
Philadelphia	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
Temple	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	4	0	4
Pittsburgh	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Rhode Island	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Med. U. of S.Carolina	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	0	3
South Carolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	3	0	3
Tennessee	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	2
Houston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2	0	2
Texas-Austin	4	1	5	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	2	4	6	7	6	13
Utah	5	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	9	1	10
Virginia Commonwealth	1	0	1	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	4	0	4
Washington	0	1	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	1	2
Washington State	2	1	3	2	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	4	2	6
Wisconsin-Madison	4	3	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5	9	3	12
TOTAL	100	51	151	4	3	7	1	0	1	17	7	24	0	0	0	6	2	8	53	29	82	181	92	273

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 15: SUMMARY OF MASTER OF SCIENCE (M.S.) AND DOCTOR OF PHILOSOPHY (PH.D.) DEGREES CONFERRED 1989-90 BY GENDER AND DISCIPLINE

	M. S.				Ph.D.			
DISCIPLINE	M	F	Tot	Percent of M.S. Degrees Conferred	M	F	Tot	Percent of Ph.D. Degrees Conferred
Pharmaceutical Chemistry/Pharmacognosy	36	23	59	15.3%	49	22	71	26.0%
Pharmacology/Toxicology	30	34	64	16.6%	42	23	65	23.8%
Pharmacy Administration	54	40	94	24.4%	6	12	18	6.6%
Pharmacy Practice	22	16	38	9.9%	--	--	--	---
Pharmaceutics/Pharmacy/Pharmaceutical Sciences	60	70	130	33.8%	84	35	119	43.6%
Total	202	183	385	100.0%	181	92	273	100.0%

TABLE 16A: NUMBER OF MASTER OF SCIENCE DEGREES (M.S) IN PHARMACEUTICS ... ISTRY/PHARMACOGNOSY CONFERRED 1989-90 BY SCHOOL/COLLEGE OF PHARMACY, GENDER, AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN, PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
SCHOOL	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
Auburn	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	5	5	1	6
Pacific	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Southern California	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Connecticut	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2
Purdue	1	0	1	0	1	1	1	0	1	1	2	3	0	0	0	0	0	0	0	0	0	3	3	6
Kansas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4	3	1	4
Maryland	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Massachusetts COP/AHS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Northeastern	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2	2
Wayne State	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	3	0	3
Minnesota	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Mississippi	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Rutgers	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Buffalo	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
North Dakota	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Cincinnati	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	3	0	3
Toledo	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Oregon State	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Philadelphia	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Temple	3	6	9	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	10
Rhode Island	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	2
South Carolina	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Houston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2	0	2
Texas-Austin	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Virginia Commonwealth	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Washington	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Wisconsin-Madison	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
TOTAL	12	10	22	3	1	4	1	0	1	4	4	8	0	0	0	0	0	0	16	8	24	36	23	59

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 16B: NUMBER OF MASTER OF SCIENCE DEGREES (M.S) IN PHARMACOLOGY/TOXICOLOGY CONFERRED 1989-90 BY SCHOOL/COLLEGE OF PHARMACY, GENDER, AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN, PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
SCHOOL	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
Auburn	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	2	3
Arizona	3	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	6	9
Connecticut	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Georgia	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3
Purdue	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Kansas	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Northeast Louisiana	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Massachusetts COP/AHS	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Northeastern	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3
Mississippi	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	2
Missouri-KC	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	2
Montana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
Rutgers	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
New Mexico	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	2	2	2	4
A & M Schwartz	0	3	3	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	2	3	5
St. John's	4	3	7	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	4	5	9
Buffalo	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Cincinnati	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Toledo	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
Duquesne	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4
Temple	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Rhode Island	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Texas-Austin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Washington State	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	2	2
TOTAL	22	17	39	1	0	1	0	3	3	1	3	4	0	0	0	3	1	4	3	10	13	30	34	64

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 16C: NUMBER OF MASTER OF SCIENCE DEGREES (M.S) IN PHARMACY ADMINISTRATION CONFERRED 1989-90 BY SCHOOL/COLLEGE OF PHARMACY, GENDER, AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN, PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
SCHOOL	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
Arizona	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	0	3
Connecticut	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Florida	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Mercer	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Illinois	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Purdue	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	3	3
Iowa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2	2
Kansas	8	8	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	16
Northeast Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Maryland	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Massachusetts COP/AHS	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
Minnesota	1	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	3	5
Mississippi	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
St. Louis	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
A & M Schwartz	8	4	12	1	2	3	1	0	1	0	3	3	0	0	0	0	0	0	0	2	2	10	11	21
St. John's	5	1	6	0	0	0	1	0	1	1	0	1	0	0	0	1	0	1	2	0	2	10	1	11
North Caroline-CH	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Ohio State	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	1	5
Cincinnati	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Toledo	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Rhode Island	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Texas-Austin	3	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	3	6
Utah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Wisconsin-Madison	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
TOTAL	43	26	69	1	2	3	2	1	3	1	3	4	0	0	0	1	0	1	6	8	14	54	40	94

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 160: NUMBER OF MASTER OF SCIENCE DEGREES (M.S) IN PHARMACY PRACTICE CONFERRED 1989-90 BY SCHOOL/COLLEGE OF PHARMACY, GENDER, AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN, PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
SCHOOL	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
Purdue	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Iowa	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	3	0	3
Kansas	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Kentucky	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Northeastern	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	2
Wayne State	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
New Mexico	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	1	3
A & M Schwertz	1	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4
North Carolina-CH	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Ohio State	4	3	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	7
Toledo	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	1	1	1	2
Oklahoma	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Houston	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Wisconsin-Madison	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4
TOTAL	17	15	32	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	4	1	5	22	16	38

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 16E: NUMBER OF MASTER OF SCIENCE DEGREES (M.S) IN PHARMACEUTICS/PHARMACY/PHARMACEUTICAL SCIENCES* CONFERRED 1989-90 BY SCHOOL/COLLEGE OF PHARMACY, GENDER, AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN, PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
SCHOOL	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
Auburn	1	2	3	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	3	5	8	5	7	12
Arizona	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Pacific	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Southern California	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	2	3	5
Connecticut	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
Idaho State	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Butler	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Purdue	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
Kansas	0	4	4	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	0	2	2	5	7
Kentucky	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Massachusetts COP/AHS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Michigan	1	1	2	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	3	3	1	6	7
Minnesota	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Mississippi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5	5	0	5
Missouri-KC	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Montana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2
A & M Schwartz	7	0	7	1	2	3	0	0	0	4	1	5	0	0	0	0	0	0	2	2	4	14	5	19
St John's	3	5	8	0	1	1	0	1	1	0	0	0	0	0	0	0	3	3	5	5	10	8	15	23
Cincinnati	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	2	6	8
Oklahoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Oregon State	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Duquesne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Philadelphia	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	2
Temple	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	7	4	11
Puerto Rico	0	0	0	0	0	0	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
Rhode Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	3	0	3
Tennessee	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Houston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Utah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Virginia Commonwealth	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
Wisconsin-Madison	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	1	4
TOTAL	26	21	47	1	3	4	2	2	4	5	6	11	0	1	1	0	3	3	26	35	61	60	70	130

* Includes Cosmetic Sciences and Industrial Pharmacy
a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 17A: NUMBER OF DOCTOR OF PHILOSOPHY DEGREES (PH.D.) IN PHARMACEUTICAL CHEMISTRY/PHARMACOGNOSY CONFERRED 1989-90 BY SCHOOL/COLLEGE OF PHARMACY, GENDER, AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN, PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
SCHOOL	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
Auburn	3	0	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
Arizona	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
California-SF	2	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	4	6
Pacific	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Southern California	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Connecticut	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	4	0	4
Georgia	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	2	4
Illinois at Chicago	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Purdue	2	0	2	0	0	0	0	0	0	3	2	5	0	0	0	1	0	1	0	0	0	6	2	8
Iowa	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	0	3
Kansas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Kentucky	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	2	3
Maryland	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
Northeastern	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Michigan	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Minnesota	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	1	3
Mississippi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2	0	2
Buffalo	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
North Carolina-CH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Ohio State	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	6
Temple	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Pittsburgh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Rhode Island	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Med. U. of S.Carolina	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	0	3
Texas-Austin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Utah	3	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	4	1	5
Virginia Commonwealth	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Washington	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Wisconsin-Madison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
TOTAL	29	10	39	1	0	1	0	0	0	5	3	8	0	0	0	2	1	3	12	8	20	49	22	71

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 17B: NUMBER OF DOCTOR OF PHILOSOPHY DEGREES (PH.D.) IN PHARMACOLOGY/TOXICOLOGY CONFERRED 1989-90 BY SCHOOL/COLLEGE OF PHARMACY, GENDER, AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
SCHOOL	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
Arizona	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4
California-SF	3	4	7	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	3	5	8
Southern California	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Colorado	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	2
Connecticut	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Florida A & M	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Florida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Georgia	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	2
Purdue	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	0	0	0	2	1	3
Kentucky	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	3
Northeast Louisiana	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Maryland	2	0	2	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	3	0	3
Massachusetts COP/ANS	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Northeastern	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Wayne State	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Nebraska	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Buffalo	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	2
Ohio State	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	2
Oregon State	1	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4
Philadelphia	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Temple	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Pittsburgh	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Tennessee	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Texas-Austin	3	1	4	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	4	2	6
Utah	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	2
Washington State	2	1	3	2	0	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	4	2	6
Wisconsin-Madison	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL	30	15	45	2	1	3	1	0	1	2	3	5	0	1	1	2	0	2	5	3	8	42	23	65

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 17C: NUMBER OF DOCTOR OF PHILOSOPHY DEGREES (PH.D.) IN PHARMACY ADMINISTRATION CONFERRED 1989-90 BY SCHOOL/COLLEGE OF PHARMACY, GENDER, AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
SCHOOL	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
Purdue	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Iowa	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	3
Maryland	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Minnesota	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	3
Mississippi	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
Missouri-KC	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Texas-Austin	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	3	3
Wisconsin-Madison	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL	4	7	11	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	6	12	18

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

TABLE 17D: NUMBER OF DOCTOR OF PHILOSOPHY DEGREES (PH.D.) IN PHARMACEUTICS/PHARMACY/PHARMACEUTICAL SCIENCES CONFERRED 1989-90 BY SCHOOL/COLLEGE OF PHARMACY, GENDER, AND RACE/ETHNICITY

	WHITE[a]			BLACK[a]			HISPANIC[a]			ASIAN PACIFIC ISLANDER[a,b]			AMERICAN INDIAN, ESKIMO, ALEUT[a]			OTHER[a,c]			FOREIGN[d]			TOTAL		
SCHOOL	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot
Auburn	2	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	5	0	5
Arizona	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Connecticut	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	3	0	3
Florida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Georgia	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	2	2	4
Purdue	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	1	2	1	3
Iowa	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	6	2	8
Kansas	4	1	5	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2	0	2	7	1	8
Kentucky	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
Northeast Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	1	2	3
Maryland	1	0	1	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	3	0	3
Michigan	2	2	4	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	2	3	3	5	8
Minnesota	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	3
Mississippi	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	4	1	5
Missouri-KC	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Nebraska	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Rutgers	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	2	4	6
St John's	5	1	6	0	0	0	0	0	0	2	0	2	0	0	0	2	0	2	3	2	5	12	3	15
Buffalo	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
Ohio State	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Cincinnati	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Oregon State	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Philadelphia	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Temple	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	2
Rhode Island	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
South Carolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	3	0	3
Tennessee	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Houston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2	0	2
Texas-Austin	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	3
Utah	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	3	0	3
Virginia Commonwealth	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	3	0	3
Washington	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Wisconsin-Madison	3	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	7	2	9
TOTAL	37	19	56	1	0	1	0	0	0	10	1	11	0	0	0	2	0	2	34	15	49	84	35	119

a US citizen or permanent resident
b Includes Chinese, Philippino, Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Guamanian, Samoan, other API
c Includes students for whom ethnic origin/race is unknown
d Non-permanent resident

FIGURE A: NUMBERS OF BACCALAUREATE DEGREES CONFERRED, 1960-1990

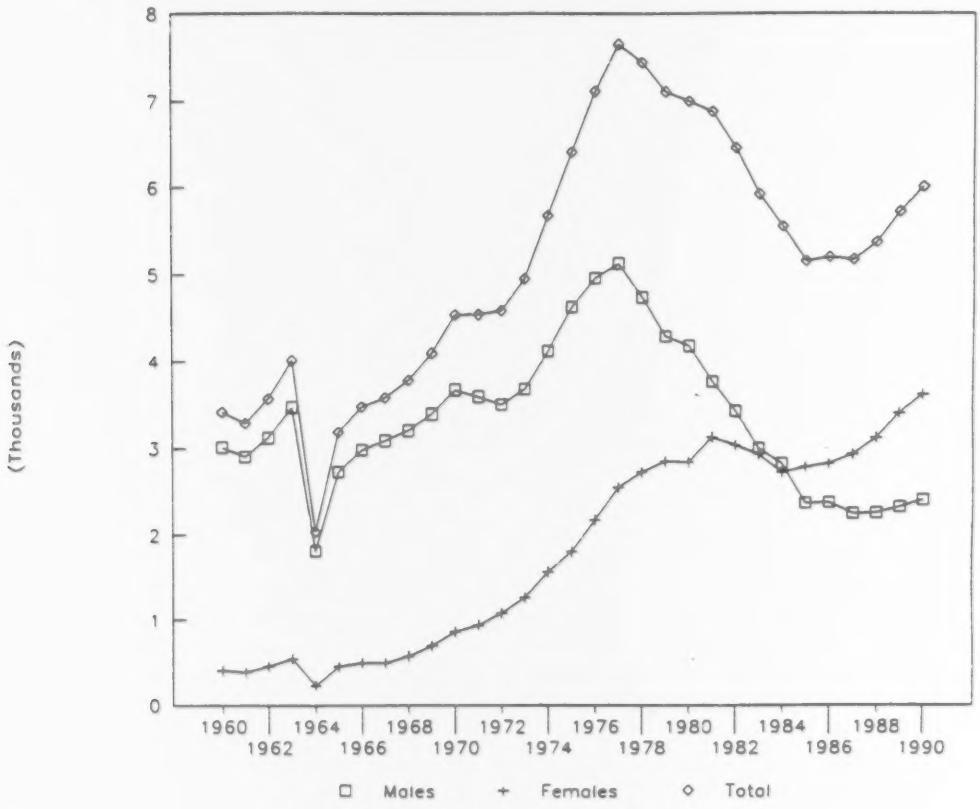


FIGURE B: NUMBERS OF PHARM.D.1 DEGREES CONFERRED, 1960-1990

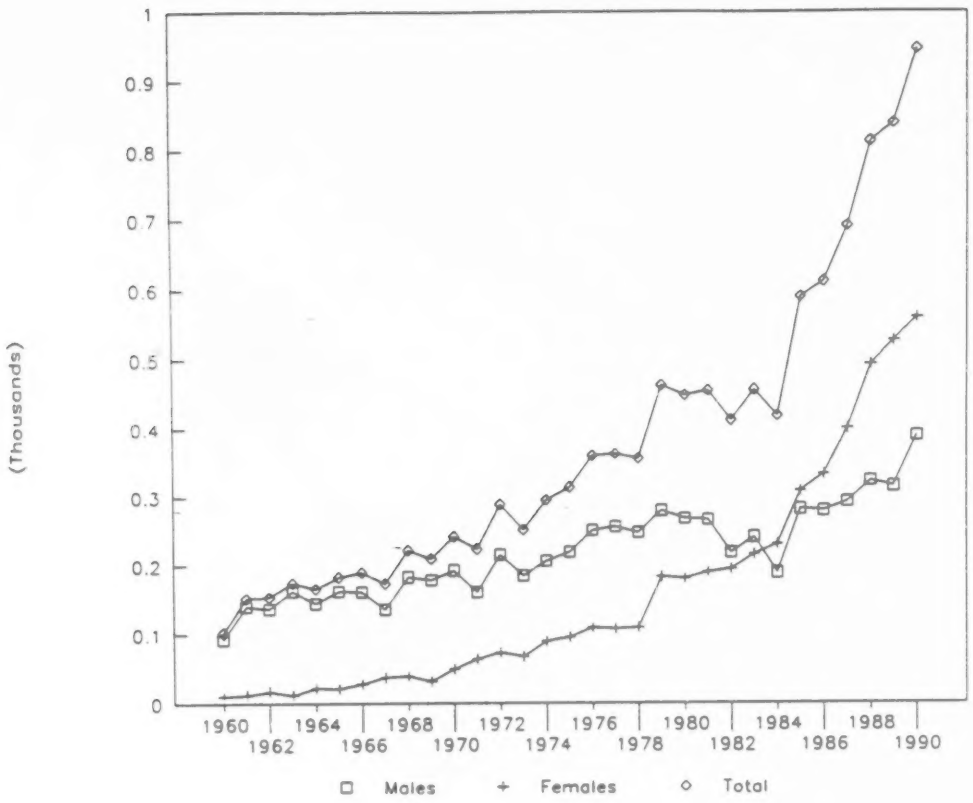


FIGURE C: NUMBERS OF ENTRY-LEVEL DEGREES (BACCALAUREATE, PHARM.D.1) CONFERRED, 1960-1990

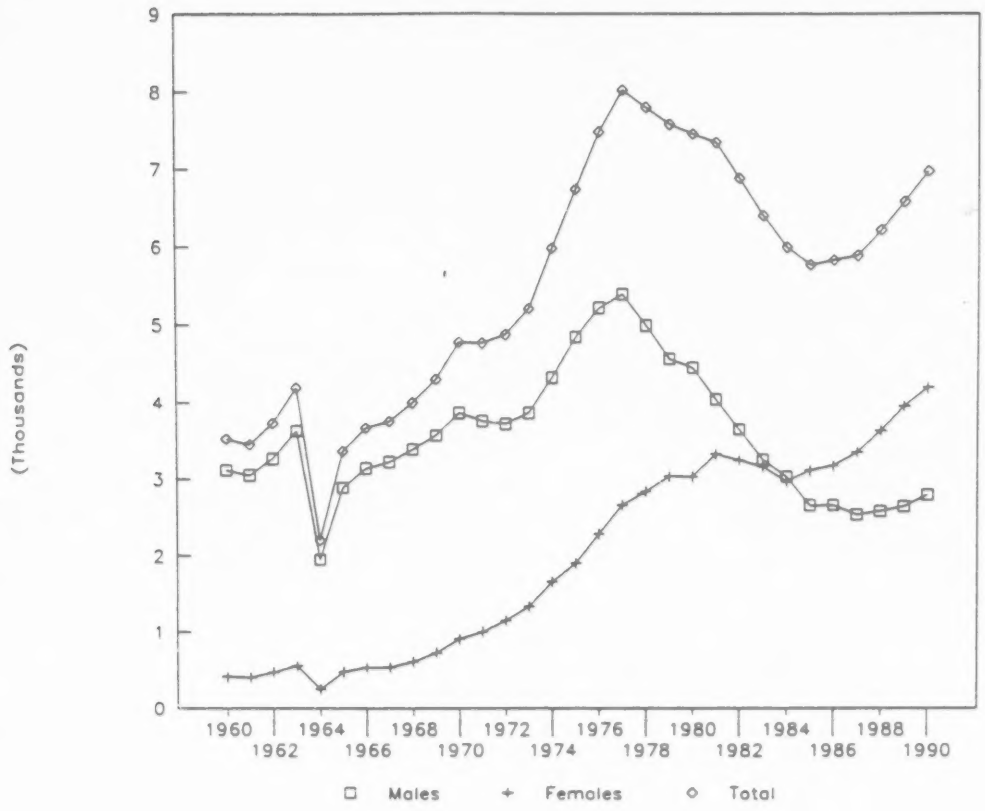


FIGURE D: NUMBERS OF PHARM.D.2 DEGREES CONFERRED, 1973-1990

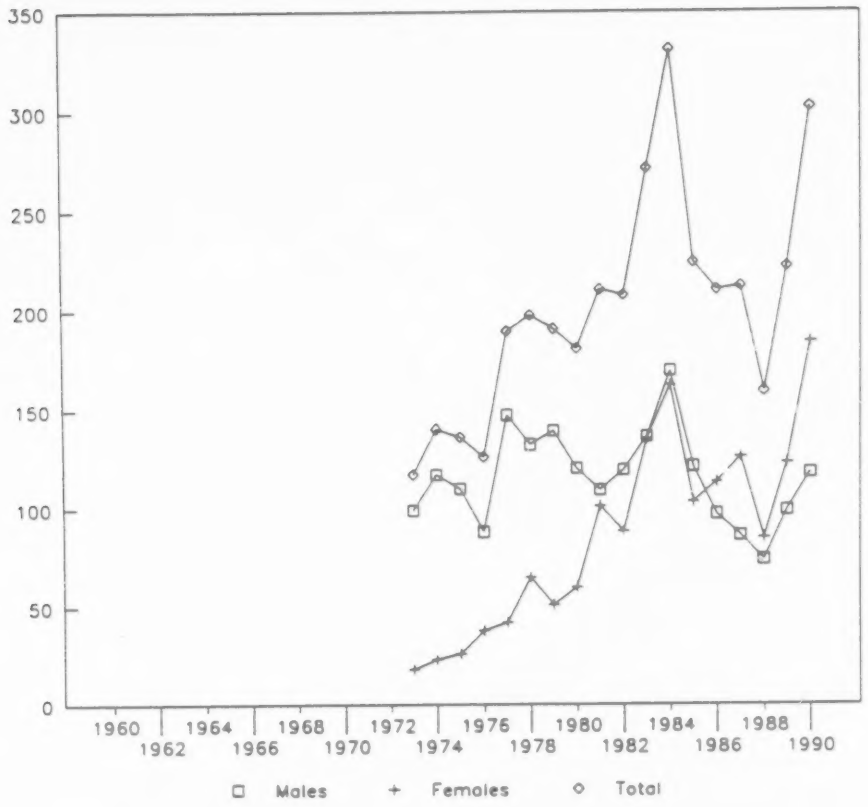


FIGURE E: NUMBERS OF MASTER OF SCIENCE DEGREES CONFERRED, 1960-1990

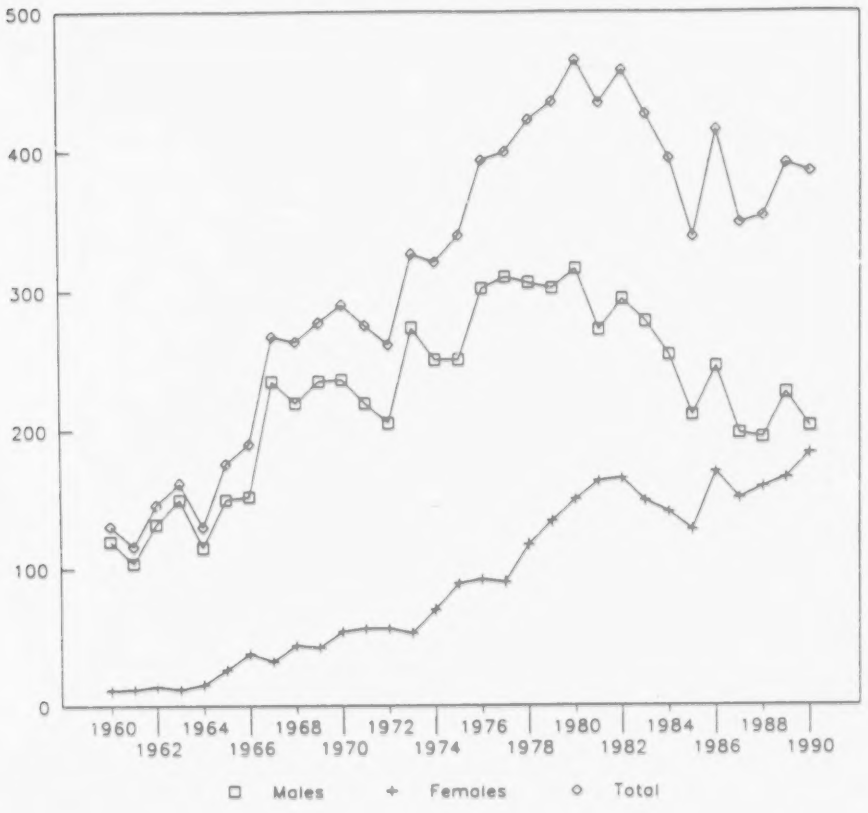


FIGURE F: NUMBERS OF DOCTOR OF PHILOSOPHY DEGREES CONFERRED, 1960-1990

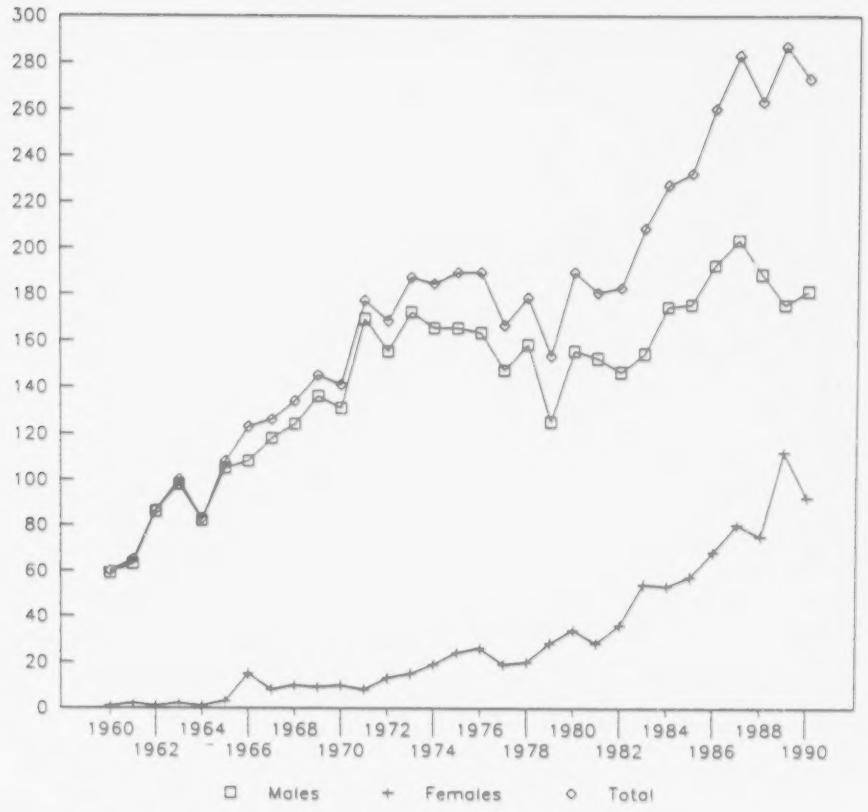


TABLE 18: FALL 1990 ENROLLMENTS IN BACCALAUREATE DEGREE PROGRAMS BY SCHOOL, GENDER, AND EXPECTED GRADUATION YEAR

	CLASS OF 91		CLASS OF 92		CLASS OF 93		CLASS OF 94		CLASS OF 95		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	TOTAL
Auburn	31	47	31	70	26	79					88	196	284
Samford	39	58	41	70	41	71					121	199	320
Arkansas	31	69	1	4							32	73	105
Pacific		5									0	5	5
Colorado	25	49	47	59	35	60					107	168	275
Connecticut	28	53	34	63	31	63	31	61	35	68	159	308	467
Howard	27	37	24	50	32	55					83	142	225
Florida A & M	14	14	19	37	21	80	27	93	15	67	96	291	387
Southeastern	10	12	3	1							13	13	26
Florida	13	22	8	19	10	15					31	56	87
Georgia	46	81	42	71	37	63					125	215	340
Butler	24	49	26	60	32	74					82	183	265
Purdue	56	112	51	79	46	116	47	97			200	404	604
Drake	39	47	40	62	35	64	22	49	18	37	154	259	413
Iowa	25	54	29	67	15	39	31	57			100	217	317
Kansas	27	54	39	45	38	59					104	158	262
Kentucky	31	36	48	63	31	72					110	171	281
Northeast Louisiana	57	64	84	112	84	119					225	295	520
Xavier	37	75	44	74	39	71	26	112			146	332	478
Maryland	39	51	33	69	39	75					111	195	306
Massachusetts COP	94	152	91	118	76	116	41	62	42	52	344	500	844
Northeastern	35	48	32	52	41	88	41	44	20	33	169	265	434
Ferris State	45	54	59	75	60	93					164	222	386
Wayne State	35	57	47	62	62	77					144	196	340
Minnesota	25	47	39	65	20	69					84	181	265
Mississippi	33	64	47	88	51	62					131	214	345
St. Louis	52	87	51	87	54	92	60	95	39	87	256	448	704
Missouri-KC			17	38	22	45	24	41			63	124	187
Montana	16	9	15	25	29	29					60	63	123
Creighton	26	40	30	39	25	37					81	116	197
Rutgers	38	70	49	108	59	101	45	108	49	113	240	500	740
New Mexico	26	21	17	45	35	40	32	51			110	157	267
A & M Schwartz	56	86	85	78	128	133	68	79	76	83	413	459	872
St. John's	120	180	135	167	149	229					404	576	980
Buffalo	26	57	36	55	35	59	2	2			99	173	272
Albany	55	83	55	92	49	86	46	73	48	65	253	399	652
North Carolina	68	105	41	119	52	116					161	340	501
North Dakota	33	45	40	55							73	100	173
Ohio Northern	31	87	53	64	50	89	65	90	68	99	267	429	696
Ohio State	20	34	56	68	78	85	39	65			193	252	445
Cincinnati	24	47	30	48	32	44					86	139	225
Toledo	35	47	42	56	47	63	94	102	132	179	350	447	797
S.W. Oklahoma	60	49	55	66	46	55					161	170	331
Oklahoma	26	38	29	44	39	61					94	143	237
Oregon State	39	41	36	73	53	45					128	159	287
Duquesne	39	85	44	89	33	84	50	111	72	123	238	492	730
Philadelphia	74	120	71	127	95	156	96	138	103	152	439	693	1132
Temple	65	102	65	82	95	132					225	316	541
Pittsburgh	38	90	41	76	54	65	48	88			181	319	500
Puerto Rico	11	74	8	66	7	70					26	210	236
Rhode Island	41	69	37	45	39	57	34	64	28	56	179	291	470
Med. U. of S.C.	25	28	14	53	23	47					62	128	190
South Dakota	13	40	25	31	26	48	34	39			98	158	256
Texas Southern	12	18	52	61	38	52					102	131	233
Houston	60	97	69	113	73	87					202	297	499
Texas-Austin	35	61	57	115	49	99	7	13			148	288	436
Utah	26	21	19	20	21	31	45	50	22	29	133	151	284
Va. Commonwealth	34	67	43	62	37	77					114	206	320
Washington	20	43	23	42	20	50					63	135	198
Washington State	23	27	28	38	28	37	18	10			97	112	209
West Virginia	38	24	38	29	21	58					97	111	208
Wisconsin	38	71	55	68	47	70					140	209	349
Wyoming	25	19	20	17	25	22	8	29	12	17	90	104	194
TOTAL	2234	3593	2540	3996	2615	4331	1081	1823	779	1260	9249	15003	24252

TABLE 19: FALL 1990 ENROLLMENTS IN ENTRY-LEVEL DOCTOR OF PHARMACY DEGREE PROGRAMS BY SCHOOL, GENDER, AND EXPECTED GRADUATION YEAR

	CLASS OF 91		CLASS OF 92		CLASS OF 93		CLASS OF 94		CLASSES OF 95 AND 96		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	TOTAL
Samford		3	4	9							4	12	16
Arizona	15	33	16	30	25	27	25	26			81	116	197
Arkansas					24	47	30	64			54	111	165
California	37	95	26	83	35	91	29	97			127	366	493
Pacific	62	71	59	110	82	114					203	295	498
Southern California	54	89	68	99	48	117	40	125			210	430	640
Howard	1	1	1	5							2	6	8
Florida A & M	5	2	2	8	2	11					9	21	30
Southeastern	3	15	6	24	39	43	39	62			87	144	231
Florida	20	33	29	47	33	43	31	49			113	172	285
Mercer	36	63	52	66	38	83	38	77			164	289	453
Georgia	2	5	7	11							9	16	25
Idaho State	18	16	20	17	24	22	27	21			89	76	165
Illinois	42	83	35	83	42	84	35	113			154	363	517
Butler			2	4							2	4	6
Purdue	4	9	8	8	5	19					17	36	53
Kansas	6	4	4	5							10	9	19
Kentucky	3	10	8	12							11	22	33
Xavier									25	94	25	94	119
Maryland	2	7	2	6							4	13	17
Michigan	9	27	12	33	11	29	19	31			51	120	171
Minnesota	7	10	12	14							19	24	43
St. Louis	4	5	5	19							9	24	33
Missouri-KC	6	6									6	6	12
Creighton	13	16	15	12							28	28	56
Nebraska	19	29	21	29	21	34	22	33			83	125	208
Rutgers	3	3		4							3	7	10
Campbell	21	45	22	41	25	42	26	40			94	168	262
North Carolina		4	3	3							3	7	10
North Dakota							19	38	76	100	95	138	233
South Carolina	1	7	19	50	20	49	28	64			68	170	238
Tennessee	23	42	32	39	26	49	28	45			109	175	284
Utah			2								2	0	2
Va. Commonwealth	1	1	2	3							3	4	7
Wisconsin					1	5					1	5	6
TOTAL	417	734	494	874	501	909	436	885	101	194	1949	3596	5545

TABLE 20: FALL 1990 ENROLLMENTS IN ENTRY-LEVEL DEGREE PROGRAMS (BACCALAUREATE, PHARM.D.1) BY SCHOOL, GENDER, AND EXPECTED GRADUATION YEAR

	CLASS OF 91		CLASS OF 92		CLASS OF 93		CLASS OF 94		CLASSES OF 95 AND 96		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	TOTAL
Auburn (1)	31	47	31	70	26	79					88	196	284
Samford (3)	39	61	45	79	41	71					125	211	336
Arizona (2)	15	33	16	30	25	27	25	26			81	116	197
Arkansas (3)	31	69	1	4	24	47	30	64			86	184	270
California (2)	37	95	26	83	35	91	29	97			127	366	493
Pacific (3)	62	76	59	110	82	114					203	300	503
Southern California (2)	54	89	68	99	48	117	40	125			210	430	640
Colorado (1)	25	49	47	59	35	60					107	168	275
Connecticut (1)	28	53	34	63	31	63	31	61	35	68	159	308	467
Howard (3)	28	38	25	55	32	55					85	148	233
Florida A & M (3)	19	16	21	45	23	91	27	93	15	67	105	312	417
Southeastern (3)	13	27	9	25	39	43	39	62			100	157	257
Florida (3)	33	55	37	66	43	58	31	49			144	228	372
Mercer (2)	36	63	52	66	38	83	38	77			164	289	453
Georgia (3)	48	86	49	82	37	63					134	231	365
Idaho State (2)	18	16	20	17	24	22	27	21			89	76	165
Illinois (2)	42	83	35	83	42	84	35	113			154	363	517
Butler (3)	24	49	28	64	32	74					84	187	271
Purdue (3)	60	121	59	87	51	135	47	97			217	440	657
Drake (1)	39	47	40	62	35	64	22	49	18	37	154	259	413
Iowa (1)	25	54	29	67	15	39	31	57			100	217	317
Kansas (3)	33	58	43	50	38	59					114	167	281
Kentucky (3)	34	46	56	75	31	72					121	193	314
Northeast Louisiana (1)	57	64	84	112	84	119					225	295	520
Xavier (3)	37	75	44	74	39	71	26	112	25	94	171	426	597
Maryland (3)	41	58	35	75	39	75					115	208	323
Massachusetts (1)	94	152	91	118	76	116	41	62	42	52	344	500	844
Northeastern (1)	35	48	32	52	41	88	41	44	20	33	169	265	434
Ferris State (1)	45	54	59	75	60	93					164	222	386
Michigan (2)	9	27	12	33	11	29	19	31			51	120	171
Wayne State (1)	35	57	47	62	62	77					144	196	340
Minnesota (3)	52	57	51	79	20	69					103	205	308
Mississippi (1)	53	64	47	88	31	62					131	214	345
St. Louis (3)	56	92	56	106	34	92	60	95	39	87	265	472	737
Missouri-KC (3)	6	6	17	38	22	45	24	41			69	130	199
Montana (1)	16	9	15	25	29	29					60	63	123
Creighton (3)	39	56	45	51	25	37					109	144	253
Nebraska (2)	19	29	21	29	21	34	22	33			83	125	208
Rutgers (3)	41	73	49	112	59	101	45	108	49	113	243	507	750
New Mexico (1)	26	21	17	45	35	40	32	51			110	157	267
A & M Schwartz (1)	56	86	85	78	128	133	68	79	76	83	413	459	872
St. Johns (1)	120	180	135	167	149	229					404	576	980
Buffalo (1)	26	57	36	55	35	59	2	2			99	173	272
Albany (1)	55	83	55	92	49	86	46	73	48	65	253	399	652
Campbell (2)	21	45	22	41	25	42	26	40			94	168	262
North Carolina (3)	68	109	44	122	52	116					164	347	511
North Dakota (3)	33	45	40	55			19	38	76	100	168	238	406
Ohio Northern (1)	31	87	53	64	50	89	65	90	68	99	267	429	696
Ohio State (1)	20	34	56	68	78	85	39	65			193	252	445
Cincinnati (1)	24	47	30	48	32	44					86	139	225
Toledo (1)	35	47	42	56	47	63	94	102	132	179	350	447	797
S.W. Oklahoma (1)	60	49	55	66	46	55					161	170	331
Oklahoma (1)	26	38	29	44	39	61					94	143	237
Oregon State (1)	39	41	36	73	53	45					128	159	287
Duquesne (1)	39	85	44	89	33	84	50	111	72	123	238	492	730
Philadelphia (1)	74	120	71	127	95	156	96	138	103	152	439	693	1132
Temple (1)	65	102	65	82	95	132					225	316	541
Pittsburgh (1)	38	90	41	76	54	65	48	88			181	319	500
Puerto Rico (1)	11	74	8	66	7	70					26	210	236
Rhode Island (1)	41	69	37	45	39	57	34	64	28	56	179	291	470
Med. U. of S.C. (1)	25	28	14	53	23	47					62	128	190
South Carolina (2)	1	7	19	50	20	49	28	64			68	170	238
South Dakota (1)	13	40	25	31	26	48	34	39			98	158	256
Tennessee (2)	23	42	32	39	26	49	28	45			109	175	284
Texas Southern (1)	12	18	52	61	38	52					102	131	233
Houston (1)	60	97	69	113	73	87					202	297	499
Texas-Austin (1)	35	61	57	115	49	99	7	13			148	288	436
Utah (3)	26	21	21	20	21	31	45	50	22	29	135	151	286
Va. Commonwealth (3)	35	68	45	65	37	77					117	210	327
Washington (1)	20	43	23	42	20	50					63	135	198
Washington State (1)	23	27	28	38	28	37	18	10			97	112	209
West Virginia (1)	38	24	38	29	21	58					97	111	208
Wisconsin (3)	38	71	55	68	48	75					141	214	355
Wyoming (1)	25	19	20	17	25	22	8	29	12	17	90	104	194
TOTAL	2651	4327	3034	4870	3116	5240	1517	2708	880	1454	11198	18599	29797

(1) Baccalaureate enrollments only
(2) Pharm.D.1 enrollments only
(3) Both baccalaureate and Pharm.D.1 enrollments

TABLE 21: SUMMARY OF ENROLLMENTS IN ENTRY-LEVEL DEGREE PROGRAMS, 1980 - 1990

YEAR	FIRST YEAR CLASSES	% CHANGE FROM PREVIOUS YEAR	FINAL THREE YEARS	% CHANGE FROM PREVIOUS YEAR	TOTAL ENROLLMENT	% CHANGE FROM PREVIOUS YEAR
1980			22,093	-	26,617	-
1981			20,468	-7.4%	24,658	-7.4%
1982			19,350	-5.5%	23,410	-5.1%
1983			18,831	-2.7%	23,091	-1.4%
1984			18,646	-1.0%	23,312	1.0%
1985	7,348	-	19,098	2.4%	24,692	5.9%
1986	7,669	4.4%	20,073	5.1%	25,643	3.9%
1987	7,771	1.3%	21,438	6.8%	27,372	6.7%
1988	8,075	3.9%	22,447	4.7%	28,891	5.5%
1989	8,127	0.6%	23,013	2.5%	29,560	2.3%
1990	8,206	1.0%	23,238	1.0%	29,797	0.8%

TABLE 22: CHANGE IN ENROLLMENTS IN BACCALAUREATE DEGREE PROGRAMS, FALL 1989 TO FALL 1990

	FALL 1989 (FINAL 3 YEARS)			FALL 1990 (FINAL 3 YEARS)			NET CHANGE			PERCENT OF FINAL 3 YEARS - FALL '90		
COLLEGE	M	F	TOT	M	F	TOT	M	F	TOT	CLASS OF 91	CLASS OF 92	CLASS OF 93
Auburn	95	183	278	88	196	284	-7	13	6	27.5%	35.6%	37.0%
Samford	131	183	314	121	199	320	-10	16	6	30.3%	34.7%	35.0%
Arkansas	54	121	175	32	73	105	-22	-48	-70	95.2%	4.8%	0.0%
Pacific	3	7	10	0	5	5	-3	-2	-5	100.0%	0.0%	0.0%
Colorado	108	162	270	107	168	275	-1	6	5	26.9%	38.5%	34.5%
Connecticut	87	193	280	93	179	272	6	-14	-8	29.8%	35.7%	34.6%
Howard	81	146	227	83	142	225	2	-4	-2	28.4%	32.9%	38.7%
Florida A & M	60	101	161	54	131	185	-6	30	24	15.1%	30.3%	54.6%
Southeastern	71	113	184	13	13	26	-58	-100	-158	84.6%	15.4%	0.0%
Florida	43	57	100	31	56	87	-12	-1	-13	40.2%	31.0%	28.7%
Georgia	151	251	402	125	215	340	-26	-36	-62	37.4%	33.2%	29.4%
Butler	72	166	238	82	183	265	10	17	27	27.5%	32.5%	40.0%
Purdue	162	284	446	153	307	460	-9	23	14	36.5%	28.3%	35.2%
Drake	113	154	267	114	173	287	1	19	20	30.0%	35.5%	34.5%
Iowa	74	154	228	69	160	229	-5	6	1	34.5%	41.9%	23.6%
Kansas	110	145	255	104	158	262	-6	13	7	30.9%	32.1%	37.0%
Kentucky	118	156	274	110	171	281	-8	15	7	23.8%	39.5%	36.7%
Northeast Louisiana	217	272	489	225	295	520	8	23	31	23.3%	37.7%	39.0%
Xavier	97	205	302	120	220	340	23	15	38	32.9%	34.7%	32.4%
Maryland	110	200	310	111	195	306	1	-5	-4	29.4%	33.3%	37.3%
Massachusetts	290	422	712	261	386	647	-29	-36	-65	38.0%	32.3%	29.7%
Northeastern	114	134	248	108	188	296	-6	54	48	28.0%	28.4%	43.6%
Ferris State	176	205	381	164	222	386	-12	17	5	25.6%	34.7%	39.6%
Wayne State	137	180	317	144	196	340	7	16	23	27.1%	32.1%	40.9%
Minnesota	96	168	264	84	181	265	-12	13	1	27.2%	39.2%	33.6%
Mississippi	125	204	329	131	214	345	6	10	16	28.1%	39.1%	32.8%
St. Louis	158	271	429	157	266	423	-1	-5	-6	32.9%	32.6%	34.5%
Missouri-KC	33	64	97	39	83	122	6	19	25	0.0%	45.1%	54.9%
Montana	61	62	123	60	63	123	-1	1	0	20.3%	32.5%	47.2%
Creighton	101	112	213	81	116	197	-20	4	-16	33.5%	35.0%	31.5%
Rutgers	147	257	404	146	279	425	-1	22	21	25.4%	36.9%	37.6%
New Mexico	100	117	217	78	106	184	-22	-11	-33	25.5%	33.7%	40.8%
A & M Schwartz	282	291	573	269	297	566	-13	6	-7	25.1%	28.8%	46.1%
St. Johns	367	498	865	404	576	980	37	78	115	30.6%	30.8%	38.6%
Buffalo	93	155	248	97	171	268	4	16	20	31.0%	34.0%	35.1%
Albany	158	246	404	159	261	420	1	15	16	32.9%	35.0%	32.1%
North Carolina	166	356	522	161	340	501	-5	-16	-21	34.5%	31.9%	33.5%
North Dakota	104	148	252	73	100	173	-31	-48	-79	45.1%	54.9%	0.0%
Ohio Northern	144	219	363	134	240	374	-10	21	11	31.6%	31.3%	37.2%
Ohio State	155	205	360	154	187	341	-1	-18	-19	15.8%	36.4%	47.8%
Cincinnati	97	138	235	86	139	225	-11	1	-10	31.6%	34.7%	33.8%
Toledo	124	166	290	124	166	290	0	0	0	28.3%	33.8%	37.9%
S.W. Oklahoma	178	166	344	161	170	331	-17	4	-13	32.9%	36.6%	30.5%
Oklahoma	98	139	237	94	143	237	-4	4	0	27.0%	30.8%	42.2%
Oregon State	112	181	293	128	159	287	16	-22	-6	27.9%	38.0%	34.1%
Duquesne	115	252	367	116	258	374	1	6	7	33.2%	35.6%	31.3%
Philadelphia	258	401	659	240	403	643	-18	2	-16	30.2%	30.8%	39.0%
Temple	202	255	457	225	316	541	23	61	84	30.9%	27.2%	42.0%
Pittsburgh	133	232	365	133	231	364	0	-1	-1	35.2%	32.1%	32.7%
Puerto Rico	38	212	250	26	210	236	-12	-2	-14	36.0%	31.4%	32.6%
Rhode Island	108	187	295	117	171	288	9	-16	-7	38.2%	28.5%	33.3%
Med. U. of S.C.	59	131	190	62	128	190	3	-3	0	27.9%	35.3%	36.8%
South Dakota	59	111	170	64	119	183	5	8	13	29.0%	30.6%	40.4%
Texas Southern	142	148	290	102	131	233	-40	-17	-57	12.9%	48.5%	38.6%
Houston	202	317	519	202	297	499	0	-20	-20	31.5%	36.5%	32.1%
Texas-Austin	148	285	433	141	275	416	-7	-10	-17	23.1%	41.3%	35.6%
Utah	93	101	194	66	72	138	-27	-29	-56	34.1%	28.3%	37.7%
Va. Commonwealth	118	211	329	114	206	320	-4	-5	-9	31.6%	32.8%	35.6%
Washington	66	118	184	63	135	198	-3	17	14	31.8%	32.8%	35.4%
Washington State	80	99	179	79	102	181	-1	3	2	27.6%	36.5%	35.9%
West Virginia	82	125	207	97	111	208	15	-14	1	29.8%	32.2%	38.0%
Wisconsin	151	207	358	140	209	349	-11	2	-9	31.2%	35.2%	33.5%
Wyoming	66	56	122	70	58	128	4	2	6	34.4%	28.9%	36.7%
TOTAL	7706	11812	19518	7389	11920	19309	-317	108	-209	30.2%	33.8%	36.0%

TABLE 23: CHANGE IN ENROLLMENTS IN ENTRY-LEVEL DOCTOR OF PHARMACY DEGREE PROGRAMS, FALL 1989 TO FALL 1990

COLLEGE	FALL 1989 (FINAL 3 YEARS) M	F	TOT	FALL 1990 (FINAL 3 YEARS) M	F	TOT	NET CHANGE M	F	TOT	PERCENT OF FINAL 3 YEARS - FALL '90 CLASS OF 91	CLASS OF 92	CLASS OF 93
Samford	0	3	3	4	12	16	4	9	13	18.8%	81.3%	0.0%
Arizona	40	82	122	56	90	146	16	8	24	32.9%	31.5%	35.6%
Arkansas	0	0	0	24	47	71	24	47	71	0.0%	0.0%	100.0%
California	117	257	374	98	269	367	-19	12	-7	36.0%	29.7%	34.3%
Pacific	175	273	448	203	295	498	28	22	50	26.7%	33.9%	39.4%
Southern California	170	278	448	170	305	475	0	27	27	30.1%	35.2%	34.7%
Howard	3	3	6	2	6	8	-1	3	2	25.0%	75.0%	0.0%
Florida A & M	10	15	25	9	21	30	-1	6	5	23.3%	33.3%	43.3%
Southeastern	2	17	19	48	82	130	46	65	111	13.8%	23.1%	63.1%
Florida	71	109	180	82	123	205	11	14	25	25.9%	37.1%	37.1%
Mercer	144	218	362	126	212	338	-18	-6	-24	29.3%	34.9%	35.8%
Georgia	5	9	14	9	16	25	4	7	11	28.0%	72.0%	0.0%
Idaho State	56	36	92	62	55	117	6	19	25	29.1%	31.6%	39.3%
Illinois	115	241	356	119	250	369	4	9	13	33.9%	32.0%	34.1%
Butler	0	0	0	2	4	6	2	4	6	0.0%	100.0%	0.0%
Purdue	10	17	27	17	36	53	7	19	26	24.5%	30.2%	45.3%
Kansas	7	8	15	6	4	10	-1	-4	-5	100.0%	0.0%	0.0%
Kentucky	11	23	34	11	22	33	0	-1	-1	39.4%	60.6%	0.0%
Maryland	3	9	12	4	13	17	1	4	5	52.9%	47.1%	0.0%
Michigan	35	83	118	32	89	121	-3	6	3	29.8%	37.2%	33.1%
Minnesota	14	28	42	19	24	43	5	-4	1	39.5%	60.5%	0.0%
St. Louis	12	11	23	9	24	33	-3	13	10	27.3%	72.7%	0.0%
Missouri-KC	6	6	12	6	6	12	0	0	0	100.0%	0.0%	0.0%
Creighton	15	29	44	28	28	56	13	-1	12	51.8%	48.2%	0.0%
Nebraska	62	81	143	61	92	153	-1	11	10	31.4%	32.7%	35.9%
Rutgers	4	2	6	3	7	10	-1	5	4	60.0%	40.0%	0.0%
Campbell	65	108	173	68	128	196	3	20	23	33.7%	32.1%	34.2%
North Carolina	2	7	9	3	7	10	1	0	1	40.0%	60.0%	0.0%
Philadelphia	13	13	26	0	0	0	-13	-13	-26			
South Carolina	40	114	154	40	106	146	0	-8	-8	5.5%	47.3%	47.3%
Tennessee	86	116	202	81	130	211	-5	14	9	30.8%	33.6%	35.5%
Texas-Austin	2	0	2	0	0	0	-2	0	-2			
Utah	0	0	0	2	0	2	2	0	2	0.0%	100.0%	0.0%
Va. Commonwealth	2	2	4	3	4	7	1	2	3	28.6%	71.4%	0.0%
Wisconsin	0	0	0	1	5	6	1	5	6	0.0%	0.0%	100.0%
TOTAL	1297	2198	3495	1408	2512	3920	111	314	425	29.4%	34.7%	36.0%

TABLE 24: CHANGE IN ENROLLMENTS IN ENTRY-LEVEL DEGREE PROGRAMS (BACCALAUREATE, PHARM.D.1), FALL 1989 TO FALL 1990

	FALL 1989 (FINAL 3 YEARS)			FALL 1990 (FINAL 3 YEARS)			NET CHANGE			PERCENT OF FINAL 3 YEARS - FALL '90		
COLLEGE	M	F	TOT	M	F	TOT	M	F	TOT	CLASS OF 91	CLASS OF 92	CLASS OF 93
Auburn (1)	95	183	278	88	196	284	-7	13	6	27.5%	35.6%	37.0%
Samford (3)	131	186	317	125	211	336	-6	25	19	29.8%	36.9%	33.3%
Arizona (2)	40	82	122	56	90	146	16	8	24	32.9%	31.5%	35.6%
Arkansas (3)	54	121	175	56	120	176	2	-1	1	56.8%	2.8%	40.3%
California (2)	117	257	374	98	269	367	-19	12	-7	36.0%	29.7%	34.3%
Pacific (3)	178	280	458	203	300	503	25	20	45	27.4%	33.6%	39.0%
Southern California (2)	170	278	448	170	305	475	0	27	27	30.1%	35.2%	34.7%
Colorado (1)	108	162	270	107	168	275	-1	6	5	26.9%	38.5%	34.5%
Connecticut (1)	87	193	280	93	179	272	6	-14	-8	29.8%	35.7%	34.6%
Howard (3)	84	149	233	85	148	233	1	-1	0	28.3%	34.3%	37.3%
Florida A & M (3)	70	116	186	63	152	215	-7	36	29	16.3%	30.7%	53.0%
Southeastern (3)	73	130	203	61	95	156	-12	-35	-47	25.6%	21.8%	52.6%
Florida (3)	114	166	280	113	179	292	-1	13	12	30.1%	35.3%	34.6%
Mercer (2)	144	218	362	126	212	338	-18	-6	-24	29.3%	34.9%	35.8%
Georgia (3)	156	260	416	134	231	365	-22	-29	-51	36.7%	35.9%	27.4%
Idaho State (2)	69	43	112	62	55	117	-7	12	5	29.1%	31.6%	39.3%
Illinois (2)	115	241	356	119	250	369	4	9	13	33.9%	32.0%	34.1%
Butler (3)	72	166	238	84	187	271	12	21	33	26.9%	33.9%	39.1%
Purdue (3)	172	301	473	170	343	513	-2	42	40	35.3%	28.5%	36.3%
Drake (1)	113	154	267	114	173	287	1	19	20	30.0%	35.5%	34.5%
Iowa (1)	74	154	228	69	160	229	-5	6	1	34.5%	41.9%	23.6%
Kansas (3)	117	153	270	110	162	272	-7	9	2	33.5%	30.9%	35.7%
Kentucky (3)	129	179	308	121	193	314	-8	14	6	25.5%	41.7%	32.8%
Northeast Louisiana (1)	217	272	489	225	295	520	8	23	31	23.3%	37.7%	39.0%
Xavier (3)	97	205	302	120	220	340	23	15	38	32.9%	34.7%	32.4%
Maryland (3)	113	209	322	115	208	323	2	-1	1	30.7%	34.1%	35.3%
Massachusetts (1)	290	422	712	261	386	647	-29	-36	-65	38.0%	32.3%	29.7%
Northeastern (1)	114	134	248	108	188	296	-6	54	48	28.0%	28.4%	43.6%
Ferris State (1)	176	205	381	164	222	386	-12	17	5	25.6%	34.7%	39.6%
Michigan (2)	35	83	118	32	89	121	-3	6	3	29.8%	37.2%	33.1%
Wayne State (1)	137	180	317	144	196	340	7	16	23	27.1%	32.1%	40.9%
Minnesota (3)	110	196	306	103	205	308	-7	9	2	28.9%	42.2%	28.9%
Mississippi (1)	125	204	329	131	214	345	6	10	16	28.1%	39.1%	32.8%
St. Louis (3)	170	282	452	166	290	456	-4	8	4	32.5%	35.5%	32.0%
Missouri-KC (3)	39	70	109	45	89	134	6	19	25	9.0%	41.0%	50.0%
Montana (1)	61	62	123	60	63	123	-1	1	0	20.3%	32.5%	47.2%
Creighton (3)	116	141	257	109	144	253	-7	3	-4	37.5%	37.9%	24.5%
Nebraska (2)	62	81	143	61	92	153	-1	11	10	31.4%	32.7%	35.9%
Rutgers (3)	151	259	410	149	286	435	-2	27	25	26.2%	37.0%	36.8%
New Mexico (1)	100	117	217	78	106	184	-22	-11	-33	25.5%	33.7%	40.8%
A & M Schwartz (1)	282	291	573	269	297	566	-13	6	-7	25.1%	28.8%	46.1%
St. Johns (1)	367	498	865	404	576	980	37	78	115	30.6%	30.8%	38.6%
Buffalo (1)	93	155	248	97	171	268	4	16	20	31.0%	34.0%	35.1%
Albany (1)	158	246	404	159	261	420	1	15	16	32.9%	35.0%	32.1%
Campbell (2)	65	108	173	68	128	196	3	20	23	33.7%	32.1%	34.2%
North Carolina (3)	168	363	531	164	347	511	-4	-16	-20	34.6%	32.5%	32.9%
North Dakota (3)	104	148	252	73	100	173	-31	-48	-79	45.1%	54.9%	0.0%
Ohio Northern (1)	144	219	363	134	240	374	-10	21	11	31.6%	31.3%	37.2%
Ohio State (1)	155	205	360	154	187	341	-1	-18	-19	15.8%	36.4%	47.8%
Cincinnati (1)	97	138	235	86	139	225	-11	1	-10	31.6%	34.7%	33.8%
Toledo (1)	124	166	290	124	166	290	0	0	0	28.3%	33.8%	37.9%
S.W. Oklahoma (1)	178	166	344	161	170	331	-17	4	-13	32.9%	36.6%	30.5%
Oklahoma (1)	98	139	237	94	143	237	-4	4	0	27.0%	30.8%	42.2%
Oregon State (1)	112	181	293	128	159	287	16	-22	-6	27.9%	38.0%	34.1%
Duquesne (1)	115	252	367	116	258	374	1	6	7	33.2%	35.6%	31.3%
Philadelphia (3)	271	414	685	240	403	643	-31	-11	-42	30.2%	30.8%	39.0%
Temple (1)	202	255	457	225	316	541	23	61	84	30.9%	27.2%	42.0%
Pittsburgh (1)	133	232	365	133	231	364	0	-1	-1	35.2%	32.1%	32.7%
Puerto Rico (1)	38	212	250	26	210	236	-12	-2	-14	36.0%	31.4%	32.6%
Rhode Island (1)	108	187	295	117	171	288	9	-16	-7	38.2%	28.5%	33.3%
Med. U. of S.C. (1)	59	131	190	62	128	190	3	-3	0	27.9%	35.3%	36.8%
South Carolina (2)	40	114	154	40	106	146	0	-8	-8	5.5%	47.3%	47.3%
South Dakota (1)	59	111	170	64	119	183	5	8	13	29.0%	30.6%	40.4%
Tennessee (2)	86	116	202	81	130	211	-5	14	9	30.8%	33.6%	35.5%
Texas Southern (1)	142	148	290	102	131	233	-40	-17	-57	12.9%	48.5%	38.6%
Houston (1)	202	317	519	202	297	499	0	-20	-20	31.5%	36.5%	32.1%
Texas-Austin (3)	150	285	435	141	275	416	-9	-10	-19	23.1%	41.3%	35.6%
Utah (3)	93	101	194	68	72	140	-25	-29	-54	33.6%	29.3%	37.1%
Va. Commonwealth (3)	120	213	333	117	210	327	-3	-3	-6	31.5%	33.6%	34.9%
Washington (1)	66	118	184	63	135	198	-3	17	14	31.8%	32.8%	35.4%
Washington State (1)	80	99	179	79	102	181	-1	3	2	27.6%	36.5%	35.9%
West Virginia (1)	82	125	207	97	111	208	15	-14	1	29.8%	32.2%	38.0%
Wisconsin (3)	151	207	358	141	214	355	-10	7	-3	30.7%	34.6%	34.6%
Wyoming (1)	66	56	122	70	58	128	4	2	6	34.4%	28.9%	36.7%
TOTAL	9003	14010	23013	8797	14432	23229	-206	422	216	30.0%	34.0%	36.0%

(1) Baccalaureate enrollments only
(2) Pharm.D.1 enrollments only
(3) Both baccalaureate and Pharm.D.1 enrollments

TABLE 25: FALL 1990 ENROLLMENTS IN BACCALAUREATE DEGREE PROGRAMS BY SCHOOL, GENDER, AND RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN[a]		AMERICAN INDIAN[a]		FOREIGN[b]		NOT SPECIFIED		TOTAL	
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Auburn	84	180	1	7	2	2	0	5	0	0	1	2	0	0	88	196
Samford	118	184	2	5	0	0	0	3	0	0	1	7	0	0	121	199
Arkansas	32	69	0	4	0	0	0	0	0	0	0	0	0	0	32	73
Pacific	0	2	0	1	0	0	0	2	0	0	0	0	0	0	0	5
Colorado	83	130	5	3	12	11	5	19	1	0	1	5	0	0	107	168
Connecticut	137	261	3	5	2	8	14	29	0	0	3	5	0	0	159	308
Howard	4	2	35	67	1	0	15	24	0	0	28	49	0	0	83	142
Florida A & M	18	16	72	265	2	4	3	6	1	0	0	0	0	0	96	291
Southeastern	9	7	1	0	3	5	0	1	0	0	0	0	0	0	13	13
Florida	29	42	1	2	0	5	1	7	0	0	0	0	0	0	31	56
Georgia	114	198	5	9	0	2	6	6	0	0	0	0	0	0	125	215
Butler	75	174	4	2	0	0	1	5	0	0	2	2	0	0	82	183
Purdue	179	363	4	9	3	4	10	25	1	1	3	2	0	0	200	404
Drake	128	231	0	7	2	3	5	6	0	0	19	12	0	0	154	259
Iowa	95	204	0	1	1	1	2	9	0	0	2	2	0	0	100	217
Kansas	83	141	2	0	2	0	11	12	1	1	5	4	0	0	104	158
Kentucky	107	167	2	1	0	0	0	1	0	0	1	2	0	0	110	171
Northeast Louisiana	210	258	1	14	0	1	11	18	0	0	3	4	0	0	225	295
Xavier	36	37	90	262	2	7	7	14	0	0	11	12	0	0	146	332
Maryland	77	130	15	18	2	3	15	38	0	0	2	6	0	0	111	195
Massachusetts	205	311	13	20	18	35	37	69	1	1	70	64	0	0	344	500
Northeastern	88	130	3	6	5	6	6	26	0	1	34	34	33	62	169	265
Ferris State	135	199	4	4	2	0	4	6	0	0	19	13	0	0	164	222
Wayne State	96	122	8	17	0	3	5	18	0	1	35	35	0	0	144	196
Minnesota	74	156	1	2	0	2	1	9	1	0	7	12	0	0	84	181
Mississippi	126	201	2	10	0	0	2	2	0	0	1	1	0	0	131	214
St. Louis	242	423	4	9	1	0	7	14	0	0	2	2	0	0	256	448
Missouri-KC	51	103	4	3	1	0	4	12	0	1	3	3	0	2	63	124
Montana	49	60	0	0	0	0	2	0	2	0	7	3	0	0	60	63
Creighton	62	85	2	4	2	6	6	20	0	0	9	1	0	0	81	116
Rutgers	150	291	9	38	19	20	54	145	1	0	7	6	0	0	240	500
New Mexico	60	99	0	2	34	41	11	8	1	5	4	2	0	0	110	157
A & M Schwartz	173	184	73	87	35	51	99	126	0	0	33	11	0	0	413	459
St. Johns	210	297	25	53	28	42	98	141	0	1	43	42	0	0	404	576
Buffalo	68	149	5	3	0	1	15	11	0	0	11	9	0	0	99	173
Albany	236	356	1	8	1	6	7	23	0	2	8	4	0	0	253	399
North Carolina	147	310	4	14	0	0	8	13	2	3	0	0	0	0	161	340
North Dakota	72	95	0	1	0	3	1	0	0	1	0	0	0	0	73	100
Ohio Northern	256	404	1	8	1	2	4	10	0	0	5	5	0	0	267	429
Ohio State	166	213	7	11	2	1	10	15	1	0	7	12	0	0	193	252
Cincinnati	82	124	3	8	0	0	1	4	0	0	0	3	0	0	86	139
Toledo	304	389	8	24	2	3	8	11	0	1	28	19	0	0	350	447
S.W. Oklahoma	136	145	0	2	3	4	14	9	4	3	4	7	0	0	161	170
Oklahoma	83	113	3	6	1	2	3	15	4	6	0	1	0	0	94	143
Oregon State	101	112	3	0	5	1	9	32	0	0	4	9	6	5	128	159
Duquesne	234	471	1	5	0	3	2	12	0	0	1	1	0	0	238	492
Philadelphia	379	533	14	28	1	6	34	113	0	0	11	13	0	0	439	693
Temple	140	158	9	27	3	4	35	60	1	3	37	64	0	0	225	316
Pittsburgh	178	310	0	3	0	0	3	6	0	0	0	0	0	0	181	319
Puerto Rico	0	0	0	0	24	208	0	0	0	0	2	2	0	0	26	210
Rhode Island	170	279	0	0	0	0	6	5	0	0	3	7	0	0	179	291
Med. U. of S.C.	54	123	3	4	0	0	2	1	0	0	3	0	0	0	62	128
South Dakota	95	152	1	0	0	0	1	4	0	0	1	2	0	0	98	158
Texas Southern	2	1	32	82	6	12	0	0	0	0	62	36	0	0	102	131
Houston	100	136	10	10	21	36	40	81	0	0	31	34	0	0	202	297
Texas-Austin	92	189	5	8	34	42	13	41	0	1	4	7	0	0	148	288
Utah	107	124	0	1	6	1	18	15	0	0	2	10	0	0	133	151
Va. Commonwealth	102	176	4	11	0	1	8	17	0	1	0	0	0	0	114	206
Washington	47	99	3	1	1	1	12	31	0	2	0	1	0	0	63	135
Washington State	84	95	0	0	1	0	7	14	1	0	4	3	0	0	97	112
West Virginia	95	106	1	1	0	0	1	0	0	0	0	4	0	0	97	111
Wisconsin	124	187	2	2	0	1	8	12	1	1	4	2	1	4	140	209
Wyoming	79	99	0	1	3	1	5	3	0	0	3	0	0	0	90	104
TOTAL	7072	11105	511	1206	294	601	717	1384	24	36	591	598	40	73	9249	15003

[a] U.S. citizen or permanent resident
[b] non-permanent resident

TABLE 26: FALL 1990 ENROLLMENTS IN ENTRY-LEVEL DOCTOR OF PHARMACY DEGREE PROGRAMS BY SCHOOL, GENDER, AND RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN[a]		AMERICAN INDIAN[a]		FOREIGN[b]		NOT SPECIFIED		TOTAL	
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Samford	4	12	0	0	0	0	0	0	0	0	0	0	0	0	4	12
Arizona	58	97	2	1	10	4	8	8	2	3	1	3	0	0	81	116
Arkansas	52	106	1	3	0	0	1	2	0	0	0	0	0	0	54	111
California	54	105	1	9	8	11	57	211	0	4	5	9	2	17	127	366
Pacific	79	84	4	8	17	12	91	187	1	0	11	4	0	0	203	295
Southern California	70	115	7	9	19	17	106	271	1	0	7	18	0	0	210	430
Howard	0	2	0	0	0	0	0	4	0	0	2	0	0	0	2	6
Florida A & M	2	2	6	18	0	0	1	1	0	0	0	0	0	0	9	21
Southeastern	56	75	5	15	19	43	7	11	0	0	0	0	0	0	87	144
Florida	91	123	5	11	9	15	8	21	0	0	0	2	0	0	113	172
Mercer	126	217	18	47	7	2	8	14	0	0	5	9	0	0	164	289
Georgia	8	14	0	2	0	0	1	0	0	0	0	0	0	0	9	16
Idaho State	72	61	1	0	0	1	9	11	0	1	7	2	0	0	89	76
Illinois	112	227	8	20	10	7	24	107	0	1	0	1	0	0	154	363
Butler	2	3	0	0	0	0	0	1	0	0	0	0	0	0	2	4
Purdue	15	34	0	0	0	0	2	1	0	0	0	1	0	0	17	36
Kansas	8	9	0	0	0	0	1	0	0	0	1	0	0	0	10	9
Kentucky	11	22	0	0	0	0	0	0	0	0	0	0	0	0	11	22
Xavier	0	0	24	93	0	0	0	1	0	0	1	0	0	0	25	94
Maryland	3	10	1	0	0	0	0	3	0	0	0	0	0	0	4	13
Michigan	39	89	3	8	1	3	5	16	0	0	3	4	0	0	51	120
Minnesota	15	21	0	0	0	0	2	0	0	0	2	3	0	0	19	24
St. Louis	8	24	1	0	0	0	0	0	0	0	0	0	0	0	9	24
Missouri-KC	5	4	0	1	1	0	0	1	0	0	0	0	0	0	6	6
Creighton	20	25	0	0	0	0	7	3	0	0	1	0	0	0	28	28
Nebraska	73	115	1	1	1	3	3	2	3	3	2	1	0	0	83	125
Rutgers	2	5	0	0	0	0	1	2	0	0	0	0	0	0	3	7
Campbell	90	157	1	5	0	0	0	5	2	1	1	0	0	0	94	168
North Carolina	3	7	0	0	0	0	0	0	0	0	0	0	0	0	3	7
North Dakota	92	133	0	0	0	0	2	2	0	3	1	0	0	0	95	138
South Carolina	59	146	8	13	0	2	1	9	0	0	0	0	0	0	68	170
Tennessee	98	154	8	17	0	1	3	3	0	0	0	0	0	0	109	175
Utah	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Va. Commonwealth	3	4	0	0	0	0	0	0	0	0	0	0	0	0	3	4
Wisconsin	1	5	0	0	0	0	0	0	0	0	0	0	0	0	1	5
TOTAL	1333	2207	105	281	102	121	348	897	9	16	50	57	2	17	1949	3596

[a] U.S. citizen or permanent resident
[b] non-permanent resident

TABLE 27: SUMMARY OF ENROLLMENTS IN ENTRY-LEVEL DEGREE PROGRAMS BY RACE/ETHNICY, 1980 - 1990

	BLACK[a]	% CHANGE FROM PREVIOUS YEAR	HISPANIC[a]	% CHANGE FROM PREVIOUS YEAR	ASIAN[a]	% CHANGE FROM PREVIOUS YEAR	AMERICAN[a] INDIAN	% CHANGE FROM PREVIOUS YEAR
1980 [b]	945	-	934	-	1035	-	36	-
1981 [b]	932	-1.4%	787	-15.7%	1040	0.5%	38	5.6%
1982 [b]	935	0.3%	784	-0.4%	1072	3.1%	36	-5.3%
1983 [b]	1,019	9.0%	787	0.4%	922	-14.0%	42	16.7%
1984 [b]	1,098	7.8%	763	-3.0%	1086	17.8%	37	-11.9%
1985	1,664	NA	927	NA	1,410	NA	42	NA
1986	1,647	-1.0%	1,018	9.8%	1,740	23.4%	39	-7.1%
1987	1,729	5.0%	1,055	3.6%	2,000	14.9%	45	15.4%
1988	1,891	9.4%	1,089	3.2%	2,362	18.1%	78	73.3%
1989	1,983	4.9%	1,096	0.6%	2,706	14.6%	81	3.8%
1990	2,103	6.1%	1,118	2.0%	3,346	23.7%	85	4.9%

[a] U.S. citizens or permanent residents
[b] Totals for 1980 through 1984 are for enrollment in final three years of program only.

TABLE 28: SUMMARY OF ENROLLMENTS IN ENTRY-LEVEL DEGREE PROGRAMS BY GENDER, 1980 - 1990

	MALE	% OF TOTAL	% CHANGE FROM PREVIOUS YEAR	FEMALE	% OF TOTAL	% CHANGE FROM PREVIOUS YEAR	TOTAL ENROLLMENT	% CHANGE FROM PREVIOUS YEAR
1980	13,992	52.6%	-	12,625	47.4%	-	26,617	-
1981	12,413	50.3%	-11.3%	12,245	49.7%	-3.0%	24,658	-7.4%
1982	11,271	48.1%	-9.2%	12,139	51.9%	-0.9%	23,410	-5.1%
1983	10,984	47.6%	-2.5%	12,107	52.4%	-0.3%	23,091	-1.4%
1984	10,345	44.4%	-5.8%	12,967	55.6%	7.1%	23,312	1.0%
1985	10,632	43.1%	2.8%	14,060	56.9%	8.4%	24,692	5.9%
1986	10,628	41.4%	-0.0%	15,015	58.6%	6.8%	25,643	3.9%
1987	10,935	39.9%	2.9%	16,437	60.1%	9.5%	27,372	6.7%
1988	11,382	39.4%	4.1%	17,509	60.6%	6.5%	28,891	5.5%
1989	11,350	38.4%	-0.3%	18,210	61.6%	4.0%	29,560	2.3%
1990	11,198	37.6%	-1.3%	18,599	62.4%	2.1%	29,797	0.8%

TABLE 29A: FALL 1990 ENROLLMENTS IN FULL-TIME POST-BACCALAUREATE DOCTOR OF PHARMACY DEGREE PROGRAMS BY SCHOOL, GENDER, AND EXPECTED GRADUATION YEAR

	CLASS OF 91		CLASS OF 92		CLASS OF 93		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	TOTAL
Auburn	1	0	1	0	0	0	2	0	2
Samford	0	4	0	0	0	0	0	4	5
California	1	0	0	0	0	0	1	0	1
Pacific	1	0	0	0	0	0	1	0	1
Southern California	0	1	0	1	0	0	0	2	2
Howard	1	1	0	2	0	0	1	3	4
Florida A & M	1	3	0	0	0	0	1	3	4
Southeastern	2	1	35	27	0	0	37	28	65
Georgia	4	1	1	2	0	0	5	3	8
Purdue	2	1	3	2	0	0	5	3	8
Iowa	4	2	1	2	0	0	5	4	8
Kentucky	8	3	8	13	0	0	16	16	32
Xavier	2	2	0	0	0	0	2	2	4
Maryland	4	5	4	6	0	0	8	11	19
Massachusetts	3	8	1	1	0	1	4	10	14
Northeastern	0	0	1	1	0	0	1	1	2
Ferris State	0	0	3	3	0	0	3	3	6
Michigan	0	0	0	1	0	0	0	1	1
Wayne State	2	3	3	3	0	0	5	6	11
Minnesota	3	10	3	4	0	0	6	14	20
Mississippi	2	2	3	1	0	0	5	3	8
Creighton	0	2	1	0	0	0	1	2	3
Rutgers	2	1	1	5	0	0	3	6	9
St. Johns	1	4	1	6	0	0	2	10	12
Buffalo	5	3	6	5	0	0	11	8	19
Albany	1	3	2	3	0	0	3	6	9
North Carolina	1	6	3	7	0	1	4	14	18
North Dakota	0	2	1	8	0	0	1	10	11
Ohio State	2	10	5	5	0	0	7	15	22
Cincinnati	1	4	4	6	0	0	5	10	15
Toledo	0	0	1	5	0	0	1	5	6
Oklahoma	0	0	3	6	0	0	3	6	9
Duquesne	0	0	2	5	0	0	2	5	7
Philadelphia	2	13	0	0	0	0	2	13	15
Rhode Island	1	1	2	2	0	0	3	3	6
Med. U. of S.C.	4	10	10	11	0	0	14	21	35
South Carolina	1	1	0	0	0	0	1	1	2
Tennessee	1	2	0	0	0	0	1	2	3
Texas Southern	9	4	1	2	0	0	10	6	16
Texas-Austin	10	14	9	11	0	0	19	25	44
Utah	4	3	1	4	0	0	5	7	12
Va. Commonwealth	0	11	3	7	0	0	3	18	21
Washington	2	5	4	3	0	0	6	8	14
Wisconsin	0	0	1	2	0	0	1	2	3
TOTAL	88	146	128	172	0	2	216	320	536

TABLE 29B: FALL 1990 ENROLLMENTS IN PART-TIME POST-BACCALAUREATE DOCTOR OF PHARMACY DEGREE PROGRAMS BY SCHOOL, GENDER, AND YEAR IN PROGRAM

	FINAL YEAR		SECOND LAST		THIRD LAST		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	TOTAL
Mercer	0	0	1	0	0	0	1	0	1
Georgia	1	1	0	0	0	0	1	1	2
Illinois	0	0	89	99	0	0	89	99	188
Kentucky	4	1	0	0	20	10	24	11	35
Xavier	0	0	3	5	3	1	6	6	12
Northeastern	2	3	0	0	0	0	2	3	5
Michigan	0	0	0	0	0	1	0	1	1
Minnesota	0	0	5	7	0	0	5	7	12
Nebraska	1	0	0	0	0	0	1	0	1
Buffalo	0	0	1	1	1	1	2	2	4
Ohio State	0	0	0	0	0	1	0	1	1
Cincinnati	0	1	0	0	0	0	0	1	1
Duquesne	5	3	0	0	0	0	5	3	8
Temple	0	0	4	3	2	1	6	4	10
South Carolina	0	0	0	0	2	1	2	1	3
Tennessee	0	0	1	0	0	0	1	0	1
TOTAL	13	9	104	115	28	16	145	140	285

TABLE 29C: FALL 1990 ENROLLMENTS (FULL-TIME AND PART-TIME) IN POST-BACCALAUREATE DOCTOR OF PHARMACY DEGREE PROGRAMS BY SCHOOL, GENDER, AND RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN[a]		AMERICAN INDIAN[a]		FOREIGN[b]		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	TOT
Auburn	2	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Samford	0	3	0	1	0	0	0	0	0	0	0	0	0	4	4
California	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Pacific	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Southern California	0	1	0	0	0	0	0	1	0	0	0	0	0	2	2
Howard	0	0	1	2	0	0	0	1	0	0	0	0	1	3	4
Florida A & M	0	0	0	3	1	0	0	0	0	0	0	0	1	3	4
Southeastern	29	18	2	0	6	9	0	1	0	0	0	0	37	28	65
Mercer	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Georgia	7	6	0	1	0	0	0	2	0	0	0	0	7	9	16
Illinois	71	73	5	11	2	1	11	14	0	0	0	0	89	99	188
Purdue	5	3	0	0	0	0	0	0	0	0	0	0	5	3	8
Iowa	5	3	0	0	0	0	0	0	0	0	0	1	5	4	9
Kentucky	38	26	0	1	0	0	0	0	0	0	2	0	40	27	67
Xavier	4	2	3	5	0	0	1	0	0	0	0	1	8	8	16
Maryland	7	6	1	2	0	2	0	1	0	0	0	0	8	11	19
Massachusetts	4	4	0	1	0	0	0	0	0	0	0	5	4	10	14
Northeastern	3	4	0	0	0	0	0	0	0	0	0	0	3	4	7
Ferris State	3	3	0	0	0	0	0	0	0	0	0	0	3	3	6
Michigan	0	2	0	0	0	0	0	0	0	0	0	0	0	2	2
Wayne State	2	3	0	0	0	0	0	0	0	0	3	3	5	6	11
Minnesota	8	15	0	0	0	0	2	1	0	0	1	5	11	21	32
Mississippi	5	3	0	0	0	0	0	0	0	0	0	0	5	3	8
Creighton	0	0	0	0	0	0	0	1	0	0	1	1	1	2	3
Nebraska	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Rutgers	2	6	0	0	0	0	1	0	0	0	0	0	3	6	9
St. Johns	2	7	0	1	0	0	0	0	0	0	0	2	2	10	12
Buffalo	9	7	0	0	0	0	0	0	0	0	4	3	13	10	23
Albany	3	6	0	0	0	0	0	0	0	0	0	0	3	6	9
North Carolina	5	13	0	0	0	0	0	0	0	0	0	1	5	14	19
North Dakota	1	8	0	0	0	0	0	2	0	0	0	0	1	10	11
Ohio State	6	14	0	2	0	0	1	0	0	0	0	0	7	16	23
Cincinnati	5	10	0	0	0	0	0	0	0	0	0	1	5	11	16
Toledo	1	4	0	1	0	0	0	0	0	0	0	0	1	5	6
Oklahoma	2	6	0	0	0	0	0	0	1	0	0	0	3	6	9
Duquesne	7	8	0	0	0	0	0	0	0	0	0	0	7	8	15
Philadelphia	2	10	0	0	0	0	0	1	0	0	0	2	2	13	15
Temple	6	4	0	0	0	0	0	0	0	0	0	0	6	4	10
Rhode Island	3	3	0	0	0	0	0	0	0	0	0	0	3	3	6
Med. U. of S.C.	12	18	0	1	0	0	1	1	0	0	1	1	14	21	35
South Carolina	3	2	0	0	0	0	0	0	0	0	0	0	3	2	5
Tennessee	1	2	0	0	0	0	1	0	0	0	0	0	2	2	4
Texas Southern	0	0	1	2	0	0	0	0	0	0	9	4	10	6	16
Texas-Austin	16	18	0	1	0	0	1	2	0	0	2	4	19	25	44
Utah	5	7	0	0	0	0	0	0	0	0	0	0	5	7	12
Va. Commonwealth	3	17	0	0	0	0	0	1	0	0	0	0	3	18	21
Washington	5	7	0	0	0	0	1	1	0	0	0	0	6	8	14
Wisconsin	1	2	0	0	0	0	0	0	0	0	0	0	1	2	3
TOTAL	296	354	13	35	9	12	20	30	1	0	24	34	363	465	828

[a] U.S. citizen or permanent resident
[b] non-permanent resident

TABLE 29D: NUMBERS OF BACCALAUREATE PHARMACY DEGREE RECIPIENTS ENROLLED IN POST-BACCALAUREATE DOCTOR OF PHARMACY DEGREE PROGRAMS BY SCHOOL, TYPE OF ENROLLMENT (FULL-TIME, PART-TIME), AND SOURCE OF BACCALAUREATE PHARMACY DEGREE
(includes only those students for whom source of baccalaureate degree was reported)

COLLEGE	SAME U.S. SCHOOL		OTHER U.S. SCHOOL		FOREIGN SCHOOL		TOTALS	
	FULL-TIME	PART-TIME	FULL-TIME	PART-TIME	FULL-TIME	PART-TIME	FULL-TIME	PART-TIME
Auburn	1	0	1	0	0	0	2	0
California	0	0	0	0	1	0	1	0
Pacific	0	0	1	0	0	0	1	0
Southern California	0	0	2	0	0	0	2	0
Howard	2	0	2	0	0	0	4	0
Florida A & M	3	0	1	0	0	0	4	0
Southeastern	0	0	0	65	0	0	0	65
Mercer	0	0	0	1	0	0	0	1
Georgia	4	1	4	1	0	0	8	2
Illinois	0	60	0	128	0	0	0	188
Purdue	4	0	4	0	0	0	8	0
Iowa	5	0	3	0	1	0	9	0
Kentucky	5	24	9	11	2	0	16	35
Maryland	3	0	33	0	0	0	36	0
Massachusetts	2	0	12	0	0	0	14	0
Northeastern	2	3	0	2	0	0	2	5
Ferris State	6	0	0	0	0	0	6	0
Michigan	0	0	0	1	1	0	1	1
Wayne State	3	0	2	0	6	0	11	0
Minnesota	4	3	14	5	2	4	20	12
Mississippi	7	0	0	0	1	0	8	0
Creighton	3	0	0	0	0	0	3	0
Nebraska	0	0	0	1	0	0	0	1
Rutgers	5	0	4	0	0	0	9	0
St. Johns	4	0	8	0	0	0	12	0
Buffalo	6	2	6	1	7	1	19	4
Albany	6	2	0	1	0	0	6	3
North Carolina	10	1	6	1	1	0	17	2
North Dakota	9	0	1	0	1	0	11	0
Ohio State	4	1	17	0	1	0	22	1
Cincinnati	5	0	9	1	1	0	15	1
Toledo	3	0	3	0	0	0	6	0
Oklahoma	6	0	3	0	0	0	9	0
Duquesne	1	4	6	4	0	0	7	8
Philadelphia	9	0	16	0	2	0	27	0
Temple	0	6	0	4	0	0	0	10
Rhode Island	3	0	3	0	0	0	6	0
Med. U. of S.C.	11	0	19	0	5	0	35	0
South Caroline	1	1	1	2	0	0	2	3
Tennessee	2	1	1	0	0	0	3	1
Texas Southern	14	0	2	0	0	0	16	0
Texas-Austin	12	0	26	0	6	0	44	0
Utah	8	0	4	0	0	0	12	0
Va. Commonwealth	6	0	15	0	0	0	21	0
Washington	5	0	9	0	0	0	14	0
Wisconsin	2	1	0	0	0	0	2	1
TOTAL	186	110	247	229	38	5	471	344

TABLE 30: FALL 1990 FULL-TIME ENROLLMENTS IN MASTER OF SCIENCE DEGREE PROGRAMS BY SCHOOL, GENDER, AND DISCIPLINE

	PHARM. CHEMISTRY/ PHARMA-COGNOSY		PHARMA-COLOGY		PHARMACY ADMIN.		PHARMACY PRACTICE		PHARMA-CEUTICS/ PHARMACY		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	TOT
Auburn	4	1	1	2	0	3	0	0	2	7	7	13	20
Arizona	0	2	20	18	0	0	1	0	0	2	21	22	43
Arkansas	0	1	0	0	0	0	0	0	0	0	0	1	1
Pacific	0	1	3	0	0	0	2	2	0	1	5	4	9
Southern California	0	0	1	0	0	0	0	0	1	1	2	1	3
Connecticut	0	0	1	1	1	0	0	0	3	0	5	1	6
Florida A & M	2	0	8	6	0	0	0	0	0	0	10	6	16
Florida	2	1	0	0	0	0	0	0	0	0	2	1	3
Georgia	1	1	0	2	0	0	0	0	0	0	1	3	4
Idaho State	0	0	0	0	1	0	0	0	1	1	2	1	3
Illinois	5	7	0	0	2	0	0	0	0	1	7	8	15
Butler	0	0	0	0	0	0	0	0	0	1	0	1	1
Purdue	9	7	1	1	4	2	1	2	1	2	16	14	30
Iowa	0	0	0	0	0	5	0	1	1	1	1	7	8
Kansas	1	1	0	0	15	9	4	2	0	1	20	13	33
Northeast Louisiana	0	3	3	1	2	0	0	0	2	1	7	5	12
Maryland	2	0	0	0	0	1	1	0	1	2	4	3	7
Massachusetts	4	5	5	1	0	0	0	0	2	9	11	15	26
Northeastern	3	4	3	3	2	2	0	0	0	0	8	9	17
Michigan	0	1	0	0	0	0	0	0	0	0	0	1	1
Wayne State	1	1	1	0	0	0	0	0	0	0	2	1	3
Minnesota	0	2	0	0	6	5	0	0	1	0	7	7	14
Mississippi	5	4	1	1	2	3	0	0	5	0	13	8	21
Missouri-KC	0	0	1	0	0	0	0	0	2	1	3	1	4
Montana	0	0	1	1	0	0	0	0	1	0	2	1	3
Nebraska	0	0	2	0	0	0	0	0	1	1	3	1	4
Rutgers	1	2	0	2	0	0	0	0	1	0	2	4	6
New Mexico	0	0	6	9	1	0	16	2	0	0	23	11	34
A & M Schwartz	0	0	6	1	8	4	1	2	31	5	46	12	58
St. John's	0	0	2	3	3	0	0	0	17	19	22	22	44
Buffalo	1	3	0	0	0	0	0	0	0	1	1	4	5
North Carolina	3	1	0	0	2	1	10	5	2	2	17	9	26
North Dakota	4	2	0	0	0	0	0	0	0	0	4	2	6
Ohio State	0	0	0	0	2	2	10	5	0	0	12	7	19
Cincinnati	0	2	1	0	2	1	0	0	1	7	4	10	14
Toledo	1	2	2	0	3	1	0	0	5	5	11	8	19
Oklahoma	1	1	0	0	0	0	0	0	2	0	3	1	4
Oregon State	0	0	0	0	0	0	0	0	0	1	0	1	1
Duquesne	3	2	3	1	0	0	0	0	4	2	10	5	15
Philadelphia	2	0	3	2	0	0	0	0	1	1	6	3	9
Temple	0	1	2	5	0	0	0	1	0	1	2	8	10
Pittsburgh	0	0	0	0	0	0	0	0	0	1	0	1	1
Puerto Rico	2	5	0	0	0	0	0	0	2	4	4	9	13
Rhode Island	0	2	3	2	5	4	0	0	2	2	10	10	20
South Carolina	1	0	0	0	0	0	0	0	0	1	1	1	2
Tennessee	0	0	0	1	0	0	0	0	1	0	1	1	2
Houston	1	0	0	0	0	0	0	0	1	1	2	1	3
Texas-Austin	0	2	1	3	3	5	0	0	3	4	7	14	21
Utah	0	0	0	0	2	1	0	0	0	0	2	1	3
Va. Commonwealth	4	3	0	0	1	0	0	0	8	7	13	10	23
Washington	0	0	0	0	0	0	0	0	2	3	2	3	5
Washington State	0	0	1	0	0	0	0	0	0	0	1	0	1
West Virginia	1	0	0	0	0	0	0	0	2	2	3	2	5
Wisconsin	0	0	0	0	0	0	6	2	0	0	6	2	8
TOTAL	64	70	82	66	67	49	52	24	109	101	374	310	684

TABLE 31A: FALL 1990 FULL-TIME ENROLLMENTS IN MASTER OF SCIENCE DEGREE PROGRAMS IN PHARMACEUTICAL CHEMISTRY/PHARMACOGNOSY BY SCHOOL, GENDER, AND RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN[a]		AMERICAN[a] INDIAN		FOREIGN[b]		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	TOT
Auburn	0	0	0	0	0	0	0	0	0	0	4	1	4	1	5
Arizona	0	1	0	0	0	0	0	0	0	0	0	1	0	2	2
Arkansas	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1
Pacific	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
Florida A & M	0	0	1	0	0	0	0	0	0	0	1	0	2	0	2
Florida	2	0	0	0	0	0	0	0	0	0	0	1	2	1	3
Georgia	1	0	0	0	0	0	0	1	0	0	0	0	1	1	2
Illinois	0	2	0	0	0	0	0	0	0	0	5	5	5	7	12
Purdue	6	5	0	0	0	0	0	0	0	0	3	2	9	7	16
Kansas	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2
Northeast Louisiana	0	0	0	0	0	0	0	0	0	0	0	3	0	3	3
Maryland	1	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Massachusetts	1	1	0	0	0	0	0	0	0	0	3	4	4	5	9
Northeastern	0	0	0	0	0	0	0	0	0	0	3	4	3	4	7
Michigan	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Wayne State	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Minnesota	0	1	0	0	0	0	0	0	0	0	0	1	0	2	2
Mississippi	0	2	0	0	0	0	0	0	0	0	5	2	5	4	9
Rutgers	1	1	0	0	0	0	0	0	0	0	0	1	1	2	3
Buffalo	0	1	0	0	0	1	1	0	0	0	0	1	1	3	4
North Carolina	1	0	0	1	0	0	0	0	0	0	2	0	3	1	4
North Dakota	0	2	0	0	0	0	4	0	0	0	0	0	4	2	6
Cincinnati	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
Toledo	0	0	0	0	0	0	0	0	0	0	1	2	1	2	3
Oklahoma	1	0	0	0	0	0	0	1	0	0	0	0	1	1	2
Duquesne	0	0	0	0	0	0	0	0	0	0	3	2	3	2	5
Philadelphia	2	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Temple	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
Puerto Rico	0	0	0	0	2	5	0	0	0	0	0	0	2	5	7
Rhode Island	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
South Carolina	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Houston	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Texas-Austin	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
Va. Commonwealth	1	1	0	0	0	0	0	0	0	0	3	2	4	3	7
West Virginia	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
TOTAL	19	18	1	1	2	7	5	3	0	0	37	41	64	70	134

[a] U.S. citizen or permanent resident
[b] non-permanent resident

TABLE 31B: FALL 1990 FULL-TIME ENROLLMENTS IN MASTER OF SCIENCE DEGREE PROGRAMS IN PHARMACOLOGY BY SCHOOL, GENDER, AND RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN[a]		AMERICAN INDIAN[a]		FOREIGN[b]		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	TOT
Auburn	1	0	0	0	0	0	0	0	0	0	0	2	1	2	3
Arizona	16	15	0	1	0	1	2	0	0	0	2	1	20	18	38
Pacific	0	0	0	0	0	0	2	0	0	0	1	0	3	0	3
Southern California	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Connecticut	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2
Florida A & M	1	0	6	5	0	0	0	0	0	0	1	1	8	6	14
Georgia	0	1	0	0	0	0	0	1	0	0	0	0	0	2	2
Purdue	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2
Northeast Louisiana	2	0	0	0	0	0	0	0	0	0	1	1	3	1	4
Massachusetts	3	1	0	0	0	0	0	0	0	0	2	0	5	1	6
Northeastern	2	2	0	0	0	0	0	0	0	0	1	1	3	3	6
Wayne State	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Mississippi	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Missouri-KC	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Montana	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Nebraska	2	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Rutgers	0	1	0	0	0	0	0	0	0	0	0	1	0	2	2
New Mexico	5	8	0	0	0	0	0	0	0	0	1	1	6	9	15
A & M Schwartz	1	1	0	0	0	0	1	0	0	0	4	0	6	1	7
St. Johns	2	1	0	0	0	0	0	1	0	0	0	1	2	3	5
Cincinnati	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Toledo	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Duquesne	3	1	0	0	0	0	0	0	0	0	0	0	3	1	4
Philadelphia	2	2	0	0	0	0	1	0	0	0	0	0	3	2	5
Temple	2	4	0	0	0	0	0	0	0	0	0	1	2	5	7
Rhode Island	2	2	0	0	0	0	0	0	0	0	1	0	3	2	5
Tennessee	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Texas-Austin	1	3	0	0	0	0	0	0	0	0	0	0	1	3	4
Washington State	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL	51	42	6	6	0	1	6	2	0	0	19	15	82	66	148

[a] U.S. citizen or permanent resident
[b] non-permanent resident

TABLE 31C: FALL 1990 FULL-TIME ENROLLMENTS IN MASTER OF SCIENCE DEGREE PROGRAMS IN PHARMACY ADMINISTRATION BY SCHOOL, GENDER, AND RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN[a]		AMERICAN[a] INDIAN		FOREIGN[b]		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	TOT
Auburn	0	2	0	0	0	0	0	0	0	0	0	1	0	3	3
Connecticut	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Idaho State	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Illinois	2	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Purdue	3	1	0	0	0	1	0	0	0	0	1	0	4	2	6
Iowa	0	3	0	0	0	0	0	0	0	0	0	2	0	5	5
Kansas	12	9	3	0	0	0	0	0	0	0	0	0	15	9	24
Northeast Louisiana	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Maryland	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Northeastern	0	0	0	0	0	0	0	0	0	0	2	2	2	2	4
Minnesota	5	5	0	0	0	0	0	0	0	0	1	0	6	5	11
Mississippi	2	3	0	0	0	0	0	0	0	0	0	0	2	3	5
New Mexico	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
A & M Schwartz	0	1	0	1	0	0	4	0	0	0	4	2	8	4	12
St. John's	0	0	0	0	0	0	0	0	0	0	3	0	3	0	3
North Carolina	1	1	0	0	0	0	1	0	0	0	0	0	2	1	3
Ohio State	2	1	0	0	0	0	0	0	0	0	0	1	2	2	4
Cincinnati	2	0	0	0	0	0	0	0	0	0	0	1	2	1	3
Toledo	2	0	0	0	0	0	0	0	0	0	1	1	3	1	4
Rhode Island	5	4	0	0	0	0	0	0	0	0	0	0	5	4	9
Texas-Austin	3	5	0	0	0	0	0	0	0	0	0	0	3	5	8
Utah	1	1	0	0	0	0	0	0	0	0	1	0	2	1	3
Va. Commonwealth	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL	43	36	3	1	0	1	5	0	0	0	16	11	67	49	116

[a] U.S. citizen or permanent resident
[b] non-permanent resident

TABLE 31D: FALL 1990 FULL-TIME ENROLLMENTS IN MASTER OF SCIENCE DEGREE PROGRAMS IN PHARMACY PRACTICE BY SCHOOL, GENDER, AND RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN[a]		AMERICAN[a] INDIAN		FOREIGN[b]		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	TOT
Arizona	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Pacific	0	1	0	0	0	0	2	0	0	0	0	1	2	2	4
Purdue	1	1	0	0	0	1	0	0	0	0	0	0	1	2	3
Iowa	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Kansas	4	2	0	0	0	0	0	0	0	0	0	0	4	2	6
Maryland	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
New Mexico	12	1	0	0	1	1	0	0	0	0	3	0	16	2	18
A & M Schwartz	1	2	0	0	0	0	0	0	0	0	0	0	1	2	3
North Carolina	8	1	0	1	0	0	2	3	0	0	0	0	10	5	15
Ohio State	10	4	0	1	0	0	0	0	0	0	0	0	10	5	15
Temple	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
Wisconsin	6	2	0	0	0	0	0	0	0	0	0	0	6	2	8
TOTAL	44	15	0	2	1	2	4	3	0	0	3	2	52	24	76

[a] U.S. citizen or permanent resident
[b] non-permanent resident

TABLE 31E: FALL 1990 FULL-TIME ENROLLMENTS IN MASTER OF SCIENCE DEGREE PROGRAMS IN PHARMACEUTICS/PHARMACY BY SCHOOL, GENDER, AND RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN[a]		AMERICAN INDIAN[a]		FOREIGN[b]		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	TOT
Auburn	1	2	0	0	0	0	0	1	0	0	1	4	2	7	9
Arizona	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
Pacific	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
Southern California	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Connecticut	1	0	0	0	0	0	0	0	0	0	2	0	3	0	3
Idaho State	0	1	0	0	0	0	1	0	0	0	0	0	1	1	2
Illinois	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
Butler	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
Purdue	0	0	0	1	0	0	0	0	0	0	1	1	1	2	3
Iowa	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Kansas	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Northeast Louisiana	0	0	0	0	0	0	0	0	0	0	2	1	2	1	3
Maryland	0	1	0	0	0	0	0	0	0	0	1	1	1	2	3
Massachusetts	0	1	0	0	0	1	1	2	0	0	1	5	2	9	11
Minnesota	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Mississippi	0	0	0	0	0	0	0	0	0	0	5	0	5	0	5
Missouri-KC	0	0	0	0	0	0	0	0	0	0	2	1	2	1	3
Montana	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Nebraska	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2
Rutgers	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
A & M Schwartz	0	3	3	0	0	0	8	0	0	0	20	2	31	5	36
St. John's	2	2	0	0	0	1	1	1	0	0	14	15	17	19	36
Buffalo	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
North Carolina	2	2	0	0	0	0	0	0	0	0	0	0	2	2	4
Cincinnati	0	3	0	1	0	0	0	0	0	0	1	3	1	7	8
Toledo	0	0	0	0	0	0	0	0	0	0	5	5	5	5	10
Oklahoma	1	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Oregon State	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
Duquesne	2	0	0	0	0	0	0	0	0	0	2	2	4	2	6
Philadelphia	0	0	1	0	0	0	0	1	0	0	0	0	1	1	2
Temple	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
Pittsburgh	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
Puerto Rico	0	0	0	0	2	4	0	0	0	0	0	0	2	4	6
Rhode Island	1	0	0	0	0	0	0	0	0	0	1	2	2	2	4
South Carolina	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Tennessee	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Houston	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Texas-Austin	1	0	0	0	0	0	0	0	0	0	2	4	3	4	7
Va. Commonwealth	0	3	0	1	0	0	0	0	0	0	8	3	8	7	15
Washington	2	2	0	0	0	0	0	0	0	0	0	1	2	3	5
West Virginia	0	0	0	0	0	0	0	0	0	0	2	2	2	2	4
TOTAL	15	23	4	3	2	6	11	9	0	0	77	60	109	101	210

[a] U.S. citizen or permanent resident
[b] non-permanent resident

TABLE 32: FALL 1990 FULL-TIME ENROLLMENTS IN DOCTOR OF PHILOSOPHY DEGREE PROGRAMS BY SCHOOL, GENDER, AND DISCIPLINE

	PHARM. CHEMISTRY/ PHARMA-COGNOSY		PHARMA-COLOGY		PHARMACY ADMIN.		PHARMACY PRACTICE		PHARMA-CEUTICS/ PHARMACY		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	TOT
Auburn	3	1	0	0	1	2	0	0	7	0	11	3	14
Arizona	7	6	30	12	5	6	0	0	2	3	44	27	71
California	35	21	5	4	0	0	0	0	17	11	57	36	93
Pacific	1	0	3	1	0	0	1	0	2	1	7	2	9
Southern California	6	4	6	5	0	0	0	0	18	11	30	20	50
Colorado	0	1	9	3	0	0	0	0	2	0	11	4	15
Connecticut	9	2	8	8	0	0	0	0	17	10	34	20	54
Howard	0	1	0	0	0	0	0	0	1	1	1	2	3
Florida A & M	0	1	6	3	0	0	0	0	0	0	6	4	10
Florida	14	1	2	5	2	4	0	0	6	7	24	17	41
Mercer	0	0	0	0	0	0	0	0	2	1	2	1	3
Georgia	11	3	4	3	3	1	0	0	4	3	22	10	32
Idaho State	0	0	2	0	0	0	0	0	0	0	2	0	2
Illinois	24	15	8	7	2	3	0	0	9	12	43	37	80
Purdue	49	30	9	6	1	2	3	2	19	9	81	49	130
Iowa	22	7	0	0	3	2	0	0	33	9	58	18	76
Kansas	20	5	11	2	0	0	0	0	19	19	50	26	76
Kentucky	19	7	15	9	0	0	0	1	10	6	44	23	67
Northeast Louisiana	2	1	13	6	7	4	0	0	6	1	28	12	40
Maryland	3	2	6	7	2	4	0	0	11	5	22	18	40
Massachusetts	5	1	0	1	0	0	0	0	7	2	12	4	16
Northeastern	3	2	7	7	0	0	4	4	5	2	19	15	34
Michigan	19	11	0	0	1	1	0	0	17	24	37	36	73
Wayne State	2	0	2	1	0	0	0	0	1	0	5	1	6
Minnesota	16	5	0	0	8	10	0	0	17	11	41	26	67
Mississippi	12	1	6	4	1	3	0	0	4	1	23	9	32
Missouri-KC	0	0	5	3	6	1	0	0	10	7	21	11	32
Nebraska	0	0	6	0	1	0	0	0	3	4	10	4	14
Rutgers	4	5	10	14	0	0	0	0	23	14	37	33	70
St. Johns	0	0	0	0	0	0	0	0	28	11	28	11	39
Buffalo	14	4	10	1	0	0	0	0	12	9	36	14	50
North Carolina	12	7	0	0	1	2	0	0	6	3	19	12	31
North Dakota	3	3	0	0	0	0	0	0	0	0	3	3	6
Ohio State	16	9	7	8	3	5	0	0	15	7	41	29	70
Cincinnati	1	2	7	1	0	1	0	0	5	12	13	16	29
Toledo	10	4	0	0	0	0	0	0	0	0	10	4	14
Oklahoma	4	1	3	1	1	0	0	0	3	4	11	6	17
Oregon State	6	3	2	2	0	0	0	0	10	2	18	7	25
Philadelphia	6	1	5	5	2	1	0	0	13	6	26	13	39
Temple	1	1	3	2	0	0	0	0	9	5	13	8	21
Pittsburgh	5	0	0	1	0	0	4	2	1	2	10	5	15
Rhode Island	4	4	3	1	0	0	0	0	9	4	16	9	24
Med. U. of S.C.	3	2	0	0	0	0	0	0	6	5	9	7	16
South Carolina	0	0	8	1	3	4	0	0	0	0	11	5	16
Tennessee	1	0	7	4	1	0	0	0	4	2	13	6	19
Houston	0	0	12	6	0	0	0	0	7	9	19	15	34
Texas-Austin	5	6	7	11	3	4	0	0	8	6	23	27	50
Utah	11	2	7	11	0	0	0	0	25	10	43	23	66
Va. Commonwealth	0	0	0	0	0	0	0	0	0	2	0	2	2
Washington	10	7	0	0	0	0	0	0	0	0	10	7	17
Washington State	0	0	2	1	0	0	0	0	0	0	2	1	3
West Virginia	0	0	0	0	2	1	0	0	1	2	3	3	6
Wisconsin	9	3	9	7	8	4	0	0	13	13	39	27	66
TOTAL	407	192	265	174	67	65	12	9	447	288	1198	728	1926

TABLE 33A: FALL 1990 FULL-TIME ENROLLMENTS IN DOCTOR OF PHILOSOPHY DEGREE PROGRAMS IN PHARMACEUTICAL CHEMISTRY/PHARMACOGNOSY BY SCHOOL, GENDER, AND RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN[a]		AMERICAN[a] INDIAN		FOREIGN[b]		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	TOT
Auburn	2	0	1	1	0	0	0	0	0	0	0	0	3	1	4
Arizona	4	3	0	0	0	0	0	1	0	0	3	2	7	6	13
California	21	12	0	1	4	0	5	6	0	0	5	2	35	21	56
Pacific	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
Southern California	0	1	0	0	0	0	1	0	1	0	4	3	6	4	10
Colorado	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
Connecticut	1	0	0	0	0	0	0	0	0	0	8	2	9	2	11
Howard	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Florida A & M	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Florida	5	0	0	0	0	0	1	0	0	0	8	1	14	1	15
Georgia	5	2	0	0	0	0	6	1	0	0	0	0	11	3	14
Illinois	7	1	0	0	0	0	0	1	0	1	17	12	24	15	39
Purdue	25	14	1	1	2	0	0	2	1	0	20	13	49	30	79
Iowa	7	4	0	0	0	0	0	0	0	0	15	3	22	7	29
Kansas	5	2	0	0	0	0	0	0	0	0	15	3	20	5	25
Kentucky	12	0	0	0	0	0	0	0	0	0	7	7	19	7	26
Northeast Louisiana	1	1	0	0	0	0	0	0	0	0	1	0	2	1	3
Maryland	2	0	0	1	0	0	0	0	0	0	1	1	3	2	5
Massachusetts	1	0	0	0	0	0	0	0	0	0	4	1	5	1	6
Northeastern	0	0	0	0	0	0	0	0	0	0	3	2	3	2	5
Michigan	12	8	2	0	1	1	1	0	0	0	3	2	19	11	30
Wayne State	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Minnesota	3	2	0	0	0	0	0	0	0	0	13	3	16	5	21
Mississippi	4	1	0	0	0	0	0	0	0	0	8	0	12	1	13
Rutgers	4	3	0	0	0	0	0	0	0	0	0	2	4	5	9
Buffalo	5	3	0	0	0	0	0	0	0	0	9	1	14	4	18
North Carolina	6	3	0	0	0	0	0	0	0	0	6	4	12	7	19
North Dakota	0	0	0	0	0	0	3	2	0	0	0	1	3	3	6
Ohio State	10	3	0	0	0	0	0	0	0	0	6	6	16	9	25
Cincinnati	0	0	0	0	0	0	0	0	0	0	1	2	1	2	3
Toledo	0	1	0	1	0	0	0	0	0	0	10	2	10	4	14
Oklahoma	1	1	0	0	0	0	1	0	0	0	2	0	4	1	5
Oregon State	3	1	0	0	0	0	3	2	0	0	0	0	6	3	9
Philadelphia	3	0	0	0	1	0	1	1	0	0	1	0	6	1	7
Temple	1	1	0	0	0	0	0	0	0	0	0	0	1	1	2
Pittsburgh	1	0	0	0	0	0	0	0	0	0	4	0	5	0	5
Rhode Island	2	3	0	0	0	0	0	0	0	0	2	1	4	4	8
Med. U. of S.C.	3	2	0	0	0	0	0	0	0	0	0	0	3	2	5
Tennessee	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Texas-Austin	2	0	0	0	0	0	1	1	0	0	2	5	5	6	11
Utah	8	1	1	0	0	0	0	0	0	0	2	1	11	2	13
Washington	8	4	0	0	1	0	1	3	0	0	0	0	10	7	17
Wisconsin	3	1	0	0	0	0	0	0	0	0	6	2	9	3	12
TOTAL	177	78	5	6	9	1	25	21	2	1	189	85	407	192	599

[a] U.S. citizen or permanent resident
[b] non-permanent resident

TABLE 33B: FALL 1990 FULL-TIME ENROLLMENTS IN DOCTOR OF PHILOSOPHY DEGREE PROGRAMS IN PHARMACOLOGY BY SCHOOL, GENDER, AND RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN[a]		AMERICAN INDIAN[a]		FOREIGN[b]		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	TOT
Arizona	23	10	1	0	0	0	1	0	0	1	5	1	30	12	42
California	4	2	0	0	0	1	1	1	0	0	0	0	5	4	9
Pacific	1	0	0	0	1	0	1	0	0	0	0	1	3	1	4
Southern California	1	3	0	0	0	0	0	2	0	0	5	0	6	5	11
Colorado	9	3	0	0	0	0	0	0	0	0	0	0	9	3	12
Connecticut	6	5	0	0	0	0	0	1	0	0	2	2	8	8	16
Florida A & M	0	0	3	1	1	0	1	0	0	0	1	2	6	3	9
Florida	1	5	0	0	0	0	0	0	0	0	1	0	2	5	7
Georgia	3	0	0	0	0	0	1	3	0	0	0	0	4	3	7
Idaho State	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Illinois	2	2	0	0	0	0	5	2	0	0	1	3	8	7	15
Purdue	7	0	0	0	1	1	0	0	0	0	1	5	9	6	15
Kansas	7	2	0	0	0	0	0	0	0	0	4	0	11	2	13
Kentucky	8	6	0	0	0	0	0	0	0	0	7	3	15	9	24
Northeast Louisiana	5	2	1	0	0	0	1	0	0	0	6	4	13	6	19
Maryland	4	6	0	0	1	0	0	0	0	0	1	1	6	7	13
Massachusetts	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Northeastern	4	2	0	0	0	0	0	0	0	0	3	5	7	7	14
Wayne State	1	0	0	0	0	0	0	0	0	0	1	1	2	1	3
Mississippi	5	3	0	0	0	0	0	0	0	0	1	1	6	4	10
Missouri-KC	5	3	0	0	0	0	0	0	0	0	0	0	5	3	8
Nebraska	2	0	0	0	0	0	0	0	0	0	4	0	6	0	6
Rutgers	6	11	0	0	0	0	0	1	0	0	4	2	10	14	24
Buffalo	2	0	1	0	0	0	7	0	0	0	0	1	10	1	11
Ohio State	5	3	0	0	0	0	0	0	0	0	2	5	7	8	15
Cincinnati	5	0	1	0	0	0	0	1	0	0	1	0	7	1	8
Oklahoma	1	1	0	0	0	0	0	0	0	0	2	0	3	1	4
Oregon State	2	1	0	0	0	0	0	1	0	0	0	0	2	2	4
Philadelphia	4	4	1	0	0	0	0	1	0	0	0	0	5	5	10
Temple	3	2	0	0	0	0	0	0	0	0	0	0	3	2	5
Pittsburgh	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
Rhode Island	2	0	0	0	0	1	0	0	0	0	1	0	3	1	4
South Carolina	6	1	0	0	0	0	0	0	0	0	2	0	8	1	9
Tennessee	3	2	0	0	0	0	0	0	0	0	4	2	7	4	11
Houston	4	1	0	0	0	1	0	0	0	0	8	4	12	6	18
Texas-Austin	1	6	0	0	1	0	0	0	0	0	5	5	7	11	18
Utah	5	10	0	0	0	0	1	0	0	0	1	1	7	11	18
Washington State	2	1	0	0	0	0	0	0	0	0	0	0	2	1	3
Wisconsin	8	6	0	0	0	0	0	0	0	0	1	1	9	7	16
TOTAL	157	104	8	1	5	4	19	13	0	1	76	51	265	174	439

[a] U.S. citizen or permanent resident
[b] non-permanent resident

TABLE 33C: FALL 1990 FULL-TIME ENROLLMENTS IN DOCTOR OF PHILOSOPHY DEGREE PROGRAMS IN PHARMACY ADMINISTRATION BY SCHOOL, GENDER, AND RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN[a]		AMERICAN[a] INDIAN		FOREIGN[b]		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	TOT
Auburn	1	2	0	0	0	0	0	0	0	0	0	0	1	2	3
Arizona	2	4	0	0	0	0	1	0	0	0	2	2	5	6	11
Florida	2	1	0	1	0	1	0	0	0	0	0	1	2	4	6
Georgia	3	1	0	0	0	0	0	0	0	0	0	0	3	1	4
Illinois	2	2	0	1	0	0	0	0	0	0	0	0	2	3	5
Purdue	1	1	0	0	0	0	0	0	0	0	0	1	1	2	3
Iowa	2	1	0	0	0	0	0	0	0	0	1	1	3	2	5
Northeast Louisiana	0	0	0	0	0	0	0	0	0	0	7	4	7	4	11
Maryland	2	1	0	1	0	0	0	0	0	0	0	2	2	4	6
Michigan	1	1	0	0	0	0	0	0	0	0	0	0	1	1	2
Minnesota	3	8	0	0	0	0	0	0	0	0	5	2	8	10	18
Mississippi	1	2	0	0	0	0	0	1	0	0	0	0	1	3	4
Missouri-KC	6	1	0	0	0	0	0	0	0	0	0	0	6	1	7
Nebraska	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
North Carolina	1	1	0	0	0	0	0	1	0	0	0	0	1	2	3
Ohio State	1	5	0	0	0	0	0	0	0	0	2	0	3	5	8
Cincinnati	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
Oklahoma	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Philadelphia	0	0	1	0	0	0	1	1	0	0	0	0	2	1	3
South Carolina	3	4	0	0	0	0	0	0	0	0	0	0	3	4	7
Tennessee	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Texas-Austin	2	2	0	0	1	0	0	0	0	0	0	2	3	4	7
West Virginia	0	1	0	0	0	0	0	0	0	0	2	0	2	1	3
Wisconsin	7	3	0	0	0	0	0	0	0	0	1	1	8	4	12
TOTAL	43	42	1	3	1	1	2	3	0	0	20	16	67	65	132

[a] U.S. citizen or permanent resident
[b] non-permanent resident

TABLE 33D: FALL 1990 FULL-TIME ENROLLMENTS IN DOCTOR OF PHILOSOPHY DEGREE PROGRAMS IN PHARMACY PRACTICE BY SCHOOL, GENDER, AND RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN[a]		AMERICAN[a] INDIAN		FOREIGN[b]		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	TOT
Pacific	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
Purdue	3	2	0	0	0	0	0	0	0	0	0	0	3	2	5
Kentucky	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
Northeastern	3	2	0	0	0	0	0	1	0	0	1	1	4	4	8
Pittsburgh	4	2	0	0	0	0	0	0	0	0	0	0	4	2	6
TOTAL	10	7	0	0	0	0	1	1	0	0	1	1	12	9	21

[a] U.S. citizen or permanent resident
[b] non-permanent resident

TABLE 33E: FALL 1990 FULL-TIME ENROLLMENTS IN DOCTOR OF PHILOSOPHY DEGREE PROGRAMS IN PHARMACEUTICS/PHARMACY BY SCHOOL, GENDER, AND RACE/ETHNICITY

	WHITE[a]		BLACK[a]		HISPANIC[a]		ASIAN[a]		AMERICAN INDIAN[a]		FOREIGN[b]		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	TOT
Auburn	2	0	1	0	0	0	0	0	0	0	4	0	7	0	7
Arizona	2	0	0	0	0	0	0	0	0	0	0	3	2	3	5
California	6	3	1	1	0	1	3	2	0	0	7	4	17	11	28
Pacific	0	0	0	0	0	0	2	1	0	0	0	0	2	1	3
Southern California	3	0	0	0	0	1	2	2	1	0	12	8	18	11	29
Colorado	2	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Connecticut	6	0	0	0	0	1	0	0	0	0	11	9	17	10	27
Howard	0	0	1	0	0	0	0	0	0	0	0	1	1	1	2
Florida	3	1	0	1	0	0	0	1	0	0	3	4	6	7	13
Mercer	1	0	0	0	0	0	0	0	0	0	1	1	2	1	3
Georgia	0	1	0	0	0	0	2	2	0	0	2	0	4	3	7
Illinois	3	1	0	1	0	0	6	8	0	0	0	2	9	12	21
Purdue	7	4	0	2	0	0	1	0	0	0	11	3	19	9	28
Iowa	11	1	1	0	0	0	0	0	0	0	21	8	33	9	42
Kansas	5	15	1	0	0	0	1	2	0	0	12	2	19	19	38
Kentucky	5	5	0	0	0	0	0	0	0	0	5	1	10	6	16
Northeast Louisiana	0	0	0	0	0	0	0	0	0	0	6	1	6	1	7
Maryland	4	3	0	0	0	0	3	0	0	0	4	2	11	5	16
Massachusetts	2	0	0	0	0	0	0	0	0	0	5	2	7	2	9
Northeastern	2	0	0	0	0	0	0	0	0	0	3	2	5	2	7
Michigan	8	12	0	1	3	0	1	3	0	0	5	8	17	24	41
Wayne State	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Minnesota	6	2	0	0	0	0	0	0	0	0	11	9	17	11	28
Mississippi	2	1	0	0	0	0	0	0	0	0	2	0	4	1	5
Missouri-KC	3	2	0	1	0	1	0	0	0	0	7	3	10	7	17
Nebraska	2	2	0	0	0	0	0	0	0	0	1	2	3	4	7
Rutgers	8	1	0	0	2	0	0	0	3	4	10	9	23	14	37
St. John's	6	7	0	0	0	0	4	0	0	0	18	4	28	11	39
Buffalo	4	5	0	0	0	0	7	3	0	0	1	1	12	9	21
North Carolina	5	1	0	1	1	0	0	1	0	0	0	0	6	3	9
Ohio State	8	2	0	0	0	0	0	0	0	0	7	5	15	7	22
Cincinnati	2	4	0	0	0	0	0	0	0	0	3	8	5	12	17
Oklahoma	2	1	0	0	0	0	0	1	0	0	1	2	3	4	7
Oregon State	3	2	0	0	0	0	7	0	0	0	0	0	10	2	12
Philadelphia	10	4	0	0	0	0	2	2	0	0	1	0	13	6	19
Temple	1	3	0	0	0	0	0	0	0	0	8	2	9	5	14
Pittsburgh	0	1	0	0	0	0	0	0	0	0	1	1	1	2	3
Rhode Island	5	2	0	0	0	0	0	0	0	0	4	2	9	4	13
Med. U. of S.C.	3	2	0	1	0	0	0	0	0	0	3	2	6	5	11
Tennessee	1	0	0	0	0	0	0	0	0	0	3	2	4	2	6
Houston	1	2	1	0	0	0	0	0	0	0	5	7	7	9	16
Texas-Austin	3	1	0	0	0	1	0	0	0	0	5	4	8	6	14
Utah	6	6	0	0	0	0	2	0	0	0	17	4	25	10	35
Va. Commonwealth	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
West Virginia	1	0	0	0	0	0	0	0	0	0	0	2	1	2	3
Wisconsin	6	5	1	0	0	1	0	1	0	0	6	6	13	13	26
TOTAL	160	102	7	9	6	6	43	29	4	4	227	138	447	288	735

[a] U.S. citizen or permanent resident
[b] non-permanent resident

TABLE 34: FALL 1990 PART-TIME ENROLLMENTS IN MASTER OF SCIENCE DEGREE PROGRAMS BY SCHOOL, GENDER, AND DISCIPLINE

	PHARM. CHEMISTRY/ PHARMA-COGNOSY		PHARMA-COLOGY		PHARMACY ADMIN.		PHARMACY PRACTICE		PHARMA-CEUTICS/ PHARMACY		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	TOT
Auburn	0	0	0	0	1	0	0	0	0	0	1	0	1
Arkansas	0	0	0	0	1	1	3	0	0	0	4	1	5
Colorado	0	1	0	0	0	0	0	0	0	0	0	1	1
Mercer	0	0	0	0	5	3	0	0	0	0	5	3	8
Idaho State	0	0	0	0	0	1	0	0	0	0	0	1	1
Illinois	0	0	0	0	3	3	0	0	0	0	3	3	6
Butler	0	0	0	0	0	0	0	0	1	1	1	1	2
Purdue	4	1	0	0	0	0	0	1	0	0	4	2	6
Northeast Louisiana	0	0	0	0	0	0	0	0	0	1	0	1	1
Maryland	1	2	0	0	0	1	1	1	2	0	4	4	8
Northeastern	3	4	6	6	4	1	0	0	0	0	13	11	24
Wayne State	0	0	0	1	0	0	4	13	0	0	4	14	18
Minnesota	0	0	0	0	1	2	0	0	0	0	1	2	3
Mississippi	0	0	0	0	1	0	0	0	0	0	1	0	1
St. Louis	0	0	0	0	6	5	0	0	0	0	6	5	11
Missouri-KC	0	0	9	4	1	2	0	0	3	0	13	6	19
Nebraska	0	0	1	1	0	0	0	0	0	0	1	1	2
Rutgers	0	1	3	1	0	0	0	0	4	3	7	5	12
A & M Schwartz	0	0	15	3	22	15	0	0	29	1	66	19	85
St. John's	0	0	10	7	11	6	0	0	21	27	42	40	82
North Carolina	0	0	0	0	0	0	8	6	0	1	8	7	15
Ohio State	0	0	0	0	1	1	0	0	0	0	1	1	2
Cincinnati	1	0	0	1	2	1	0	0	5	7	8	9	17
Toledo	0	0	0	1	3	2	0	0	0	0	3	3	6
Oklahoma	1	0	0	0	0	2	0	1	0	0	1	3	4
Duquesne	0	0	0	4	0	0	0	0	0	0	0	4	4
Philadelphia	1	0	3	2	0	0	0	0	1	1	5	3	8
Temple	0	0	0	0	0	0	0	0	15	16	15	16	31
Pittsburgh	0	1	0	0	0	0	0	0	1	0	1	1	2
Puerto Rico	0	0	0	0	0	0	0	0	7	15	7	15	22
Rhode Island	0	0	0	1	0	0	0	0	0	0	0	1	1
South Carolina	3	0	0	0	1	2	0	0	0	0	4	2	6
Houston	0	0	0	0	0	0	5	14	0	0	5	14	19
Texas-Austin	0	1	0	0	13	5	0	0	0	0	13	6	19
Utah	0	0	0	0	6	0	0	0	0	0	6	0	6
Va. Commonwealth	2	1	0	0	1	1	0	0	3	2	6	4	10
West Virginia	1	0	0	0	1	1	0	0	0	0	2	1	3
Wisconsin	0	0	0	0	0	0	1	0	0	0	1	0	1
TOTAL	17	12	47	32	84	55	22	36	92	75	262	210	472

TABLE 35: FALL 1990 PART-TIME ENROLLMENTS IN DOCTOR OF PHILOSOPHY DEGREE PROGRAMS BY SCHOOL, GENDER, AND DISCIPLINE

	PHARM. CHEMISTRY/ PHARMA-COGNOSY		PHARMA-COLOGY		PHARMACY ADMIN.		PHARMACY PRACTICE		PHARMA-CEUTICS/ PHARMACY		TOTAL		
COLLEGE	M	F	M	F	M	F	M	F	M	F	M	F	TOT
Auburn	1	0	0	0	0	0	0	0	0	0	1	0	1
Arizona	1	0	0	0	0	0	0	0	0	0	1	0	1
Colorado	0	0	0	1	0	0	0	0	0	0	0	1	1
Florida	1	0	0	0	0	0	0	0	0	0	1	0	1
Mercer	0	0	0	0	0	0	0	0	0	1	0	1	1
Georgia	0	0	0	0	0	0	0	0	1	0	1	0	1
Idaho State	0	0	0	0	1	4	0	0	0	0	1	4	5
Illinois	0	0	0	0	1	0	0	0	0	0	1	0	1
Purdue	0	2	0	0	0	0	0	0	1	1	1	3	4
Kansas	0	0	0	0	19	52	0	0	0	0	19	52	61
Northeast Louisiana	0	1	1	0	0	1	0	0	0	0	1	2	3
Maryland	4	4	2	2	4	4	0	0	5	2	15	12	27
Michigan	0	0	0	0	0	0	0	0	1	1	1	1	2
Wayne State	0	0	4	0	0	0	0	0	0	0	4	0	4
Minnesota	0	0	0	0	0	0	0	0	2	0	2	0	2
Mississippi	0	0	0	0	1	1	0	0	0	0	1	1	2
Missouri-KC	0	0	1	0	0	0	0	0	1	0	2	0	2
Nebraska	0	0	1	0	0	0	0	0	1	0	2	0	2
Rutgers	0	1	1	4	0	0	0	0	5	2	6	7	13
New Mexico	0	0	0	0	2	0	0	0	0	0	2	0	2
St. John's	0	0	0	0	0	0	0	0	12	5	12	5	17
North Carolina	0	0	0	0	0	0	0	0	3	2	3	2	5
Cincinnati	0	0	0	0	2	1	0	0	4	1	6	2	8
Oklahoma	0	0	0	0	1	0	0	0	0	0	1	0	1
Duquesne	4	4	1	0	0	0	0	0	2	0	7	4	11
Philadelphia	1	0	0	0	0	0	0	0	4	0	5	0	5
Temple	0	0	0	0	0	0	0	0	12	8	12	8	20
Rhode Island	0	0	2	1	0	0	0	0	0	1	2	2	4
South Carolina	0	0	0	0	1	0	0	0	0	0	1	0	1
Tennessee	1	0	1	0	0	0	0	0	0	1	2	1	3
Texas-Austin	0	0	0	1	0	2	0	0	2	1	2	4	6
Va. Commonwealth	0	0	0	0	0	0	0	0	1	0	1	0	1
West Virginia	0	0	0	0	0	0	0	0	1	0	1	0	1
TOTAL	13	12	14	9	32	65	0	0	58	26	117	112	229

TABLE 36: FALL 1990 ENROLLMENTS IN MASTER OF SCIENCE DEGREE PROGRAMS BY TYPE OF ENROLLMENT (FULL-TIME, PART-TIME), DISCIPLINE, AND TYPE AND SOURCE OF PREVIOUS DEGREE EARNED
(includes only those students for whom type and source of previous degree earned was reported)

SCHOOL AT WHICH PREVIOUS DEGREE WAS RECEIVED:	U.S. SCHOOL		CANADIAN SCHOOL		FOREIGN SCHOOL		ALL SCHOOLS	
	PHARM	NON-PHARM	PHARM	NON-PHARM	PHARM	NON-PHARM	PHARM	NON-PHARM
FULL-TIME								
Pharm. Chem./Pharmacognosy	8	53	0	0	34	24	42	77
Pharmacology	15	66	0	0	27	7	42	73
Pharmacy Administration	65	27	0	0	22	4	87	31
Pharmacy Practice	38	0	0	0	10	0	48	0
Pharmaceutics/Pharmacy	39	24	1	0	134	22	174	46
TOTAL FULL-TIME	165	170	1	0	227	57	393	227
PART-TIME								
Pharm. Chem./Pharmacognosy	2	18	0	0	5	4	7	22
Pharmacology	29	60	0	0	6	1	35	61
Pharmacy Administration	102	84	0	0	7	3	109	87
Pharmacy Practice	66	0	0	0	0	0	66	0
Pharmaceutics/Pharmacy	67	55	0	0	44	7	111	62
TOTAL PART-TIME	266	217	0	0	62	15	328	232

TABLE 37: FALL 1990 ENROLLMENTS IN DOCTOR OF PHILOSOPHY DEGREE PROGRAMS BY TYPE OF ENROLLMENT (FULL-TIME, PART-TIME), DISCIPLINE, AND TYPE AND SOURCE OF PREVIOUS DEGREE EARNED
(includes only those students for whom type and source of previous degree earned was reported)

SCHOOL AT WHICH PREVIOUS DEGREE WAS RECEIVED:	U.S. SCHOOL		CANADIAN SCHOOL		FOREIGN SCHOOL		ALL SCHOOLS	
	PHARM	NON-PHARM	PHARM	NON-PHARM	PHARM	NON-PHARM	PHARM	NON-PHARM
FULL-TIME								
Pharm. Chem./Pharmacognosy	77	241	2	5	178	80	257	326
Pharmacology	92	193	1	1	79	47	172	241
Pharmacy Administration	71	24	3	0	19	2	93	26
Pharmacy Practice	18	0	0	0	3	0	21	0
Pharmaceutics/Pharmacy	236	119	1	0	312	48	549	167
TOTAL FULL-TIME	494	577	7	6	591	177	1092	760
PART-TIME								
Pharm. Chem./Pharmacognosy	1	10	0	0	3	4	4	14
Pharmacology	4	15	0	0	5	4	9	19
Pharmacy Administration	15	10	0	0	0	0	15	10
Pharmacy Practice	0	0	0	0	0	0	0	0
Pharmaceutics/Pharmacy	29	38	0	0	8	2	37	40
TOTAL PART-TIME	49	73	0	0	16	10	65	83

TABLE 38: FALL 1990 ENROLLMENTS IN ENTRY-LEVEL DEGREE PROGRAMS (BACCALAUREATE, PHARM.D.1) OF U.S. CITIZENS AND PERMANENT RESIDENTS BY SCHOOL AND STATE OR U.S. TERRITORY OF RESIDENCE (includes only those students who are U.S. citizens or permanent residents for whom state or U.S. territory of residence was reported)

COLLEGE	STATE	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	GU	HI	ID	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO	MT
Auburn	AL	232									19	18				1		1		1									
Samford	AL	171			1						13	8					2			27	1						26		
Arizona	AZ		1	169		10																		1					
Arkansas	AR				265																								
California	CA													3															
Pacific	CA			1		432					2	1			23	1	1				2				3	2		1	
Southern Cal.	CA			2		582								17			1						1		2				
Colorado	CO	1		5		11	196		1		11	1		3		7							2	1		4	1	1	1
Connecticut	CT							314	1		2										1	15		79					
Howard	DC	3				3		4		29	2					3							53	1	1		2		
Florida A & M	FL	3		1		1					164	20				1					1		1		2		1		1
Southeastern	FL										251	1				1				1									
Florida	FL					1		1			361					1													
Mercer	GA	6		1	1	5	1	2		1	45	97				8	1	1	2	11	3		1		2		4	1	
Georgia	GA										6	348																	
Idaho State	ID		1	1		25	2					1		3	93								2			1		3	5
Illinois	IL															500	2	2							2	2	1	1	
Butler	IN										3	1				37	209	1		1					2			2	
Purdue	IN	1				3		1	1		3			1		52	527	1	1	1			2	1	11	1		2	
Drake	IA	1				4	2				3	1		1		64	4	133	4	1					2	4		12	
Iowa	IA					3					1					38		180								1			
Kentucky	KY										1					3	3			280			2	1					
N.E. Louisiana	LA				8	1										1				1	487					13		
Maryland	MD					5		1		2	7					1							278		1			1	
Massachusetts	MA					3	1	17			10	3				7		1				12	10	318	4	1			
Northeastern	MA			1		4		17	1		8	1		1		2					1	6	3	98					
Ferris State	MI	1									1					12	1								327			2	
Michigan	MI					3		1								5				1			2	1	137				
Wayne State	MI															1									248				
Minnesota	MN										1					2		1								233			
Mississippi	MS	2			3						1					1					1					311	5	
St. Louis	MO				3						2					233	2	1	1	1		1					161	
Missouri-KC	MO	1			2											1		1	14	1							174	
Montana	MT		1								1	1		1	1														108
Creighton	NB	1		1		12	5				2			17		31		50	4				1		1	6		7	1
Nebraska	NB					1	2								1														
Rutgers	NJ							1	2	1	3					1						1	3						
New Mexico	NM					1	1																1						
A & M Schwertz	NY					2					1	3											5						
St. John's	NY				1			3												1									
Buffalo	NY					1																							
Albany	NY	1						2			1	1				1								5		1			
Campbell	NC							1				1				1													
North Carolina	NC										2	1				1	2		1				2						
North Dakota	ND																									66			1
Ohio Northern	OH				1		1				2					1	1			4					7				
Ohio State	OH						2				2					1	1		1	4			1		1				
Cincinnati	OH																4			17									
Toledo	OH															1			1						12				
S.W. Oklahoma	OH	1			2											2			7		1				1				
Oklahoma	OK				2														3									1	
Oregon State	OK		1			3								5															
Duquesne	PA							1	3								1						6		1				
Philadelphia	PA					1		2	10		2					1							12	1					
Temple	PA							1	4														3	1					
Pittsburgh	PA															1							2						
Rhode Island	RI							7														33		77					
Med. U. of S.C.	SC								1		11	3				4				3			2				1		
South Carolina	SC															2				1	1								
South Dakota	SD		1			1	1								1	1	1	32			1					47			
Tennessee	TN				5						1					1												1	
Texas Southern	TX					3					1																5		
Houston	TX										1	1							2	1	1					1			
Texas-Austin	TX			1							1										1		1	1					
Utah	UT					2									3	1													
Va. Commonwealth	VA					1														1			2						
Washington	WA			1	1	2	3					1		7	2				1				1		1				
Washington State	WA		1			1								6	13				1										
West Virginia	WV	1								1	2												2						
Wisconsin	WI					2					1			1		12				1					12				
Wyoming	WY	1		2		4	15				1			1	1	7		4	3										3
TOTAL		427	6	187	294	1136	231	376	24	34	952	513	0	67	138	1053	763	409	46	360	502	68	401	586	768	382	364	376	120

NB	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA	PR	RI	SC	SD	TN	TX	UT	VT	VA	VI	WA	WV	WI	WY	TOTAL	COLLEGE
						1										11										284	Auburn
								1								72				2						324	Samford
	1							2		1	2				1										1	189	Arizona
																	4									269	Arkansas
																										3	California
	4		1					1		5							1			2		3				486	Pacific
	2				3			1	1				1									2				615	Southern Cal.
1				1	1			1			2						8					4		5		269	Colorado
		8	20		10						5		7						3							465	Connecticut
			5		6	8		2			2	1				3	1			26			1			156	Howard
					1	1		1			1	1		1		1			1		3			1		208	Florida A & M
								1								1										256	Southeastern
			1		1						2							1		1						370	Florida
			5		6	11		10			8	1		3		68	2			15			4			326	Mercer
											1			2		3										360	Georgia
	4										3							1				2				147	Idaho State
		1	1		1			2			1													3		519	Illinois
								9																2		267	Butler
1	1		2		4	1		14		1	9	3				2	1				1			2		651	Purdue
4	2														2				1	2				14		261	Drake
			1		2																			1		227	Iowa
			1			2		5		1	1	1				3				2			5			311	Kentucky
																	2									513	N.E. Louisiana
			1		3			1			11	1					2			5			2			322	Maryland
		22	28	1	31			6			20	26	5							5	1					532	Massachusetts
		3	20		32						21	4	4			1			1	3			3			235	Northeastern
			1		1			2			1						1	1						3		354	Ferris State
			3		1	1		4		1	5	5				1				1		1				173	Michigan
			1																				1			251	Wayne State
	1		1				3								6		1					1		32		282	Minnesota
																8				1			1			334	Mississippi
								2			1					3								3		414	St. Louis
																										194	Missouri-KC
																										113	Montana
80			3		2			1	1	2		1			10	1	1					1		7	1	250	Creighton
137															1		1							1		144	Nebraska
			368		17						22	1							1							421	Rutgers
				23													3									29	New Mexico
			61	1	438						4	5								2			1			523	A & M Schwartz
		1	93		793						3															895	St. Johns
					235						7															243	Buffalo
		3	10		598	1					7	1	2	1			1		4							640	Albany
						205					5					24				18			5			260	Campbell
			1			484					4			4		1				8			1			512	North Carolina
							161								1									1		230	North Dakota
			1		8	1		297			42					1							4			371	Ohio Northern
			1					388	1		6	1											3			413	Ohio State
					1			10			1									1						34	Cincinnati
					1			252			3					1										271	Toledo
				6		1			186		1						105			1						316	S.W. Oklahoma
				1					225								4									236	Oklahoma
										81																90	Oregon State
		2	10		6			15			312	2								1		12				372	Duquesne
		1	118		9	1		1			451									8		1				619	Philadelphia
			21		1			1			428									1						461	Temple
			2		3			2			490															500	Pittsburgh
		18	10		8						5	1	117				1		4					1		282	Rhode Island
			1			8			1					145	1	2				6						189	Med. U. of S.C.
			2		2	6					3			218		3										238	South Carolina
6	1						1								151									6	1	252	South Dakota
																276										284	Tennessee
																	126									135	Texas Southern
									1								426									434	Houston
					1				1								416							1		424	Texas-Austin
																		123						1		130	Utah
			3		1						3									314						325	Va. Commonwealth
	1			1					1	3												171				197	Washington
	4									5							2	1				138				172	Washington State
			2					1			5									1			188	1		204	West Virginia
					1												1	1						312		344	Wisconsin
17				1	1		1	2	1						7		1			2		1		1	114	191	Wyoming
246	21	59	799	35	2229	732	166	1035	419	100	1898	55	136	374	180	486	1111	128	15	428	5	324	232	398	117	22311	TOTAL

TABLE 39:

FALL 1990 ENROLLMENTS IN POST-BACCALAUREATE DOCTOR OF PHARMACY DEGREE PROGRAMS OF U.S. CITIZENS AND PERMANENT RESIDENTS BY SCHOOL AND STATE OR U.S. TERRITORY OF RESIDENCE
(includes only those students who are U.S. citizens or permanent residents for whom state or U.S. territory of residence was reported)

COLLEGE	STATE	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	GU	HI	ID	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO	MT
Auburn	AL	2									1									1									
Samford	AL	2																											
Pacific	CA																											1	
Southern Cal.	CA									1													2						
Howard	DC										4																		
Florida A & M	FL										65																		
Southeastern	FL											1																	
Mercer	GA											7									1								
Georgia	GA					2						1				168	2	2											
Illinois	IL															2	4												
Purdue	IN																	5			1								
Iowa	IA				1	1	1				1					1			1	6	1		1		1				1
Kentucky	KY					1				1	1												8						
Maryland	MD							2																7					
Massachusetts	MA																							5					
Northeastern	MA																								6				
Ferris State	MI																								1				
Michigan	MI																								5				
Wayne State	MI																									6			
Minnesota	MN		1					1			1							2								8			
Mississippi	MS					1																							
Creighton	NB							1																					
Rutgers	NJ																												
St. John's	NY					1																							
Buffalo	NY																					1	1						
Albany	NY																							1					
North Carolina	NC	1																						1					
North Dakota	ND																									1			
Cincinnati	OH										1									1								1	
Toledo	OH																								1				
Oklahoma	OK																												
Duquesne	PA																							1					
Philadelphia	PA																			1									
Temple	PA																												
Rhode Island	RI							1																2					
Med. U. of S.C.	SC				2	1	2		1																			2	
South Carolina	SC																												
Tennessee	TN																												
Texas Southern	TX																												
Texas-Austin	TX	2					2	2			1						1				1							1	
Utah	UT																												
Va. Commonwealth	VA				1																								
Washington	WA																			1					1			1	
Wisconsin	WI																												
TOTAL		7	1	0	4	7	5	7	1	2	75	9	0	0	0	171	7	9	1	10	4	1	12	15	7	8	6	1	

NB	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA	PR	RI	SC	SD	TN	TX	UT	VT	VA	VI	WA	WV	WI	WY	TOTAL	COLLEGE
																										2	Auburn
																										4	Samford
																		1								1	Pacific
																						1				2	Southern Cal.
																										3	Howard
																										4	Florida A & M
																										65	Southeastern
																										1	Mercer
						1								1												10	Georgia
			6		1	1		5																		188	Illinois
					1												1									8	Purdue
								1							1											8	Iowa
			1			1		4			5				1	1							1			30	Kentucky
					1	1					4	2														19	Maryland
		1																								10	Massachusetts
					1																	1				7	Northeastern
																										6	Ferris State
																										1	Michigan
																										5	Wayne State
							2										1							3		17	Minnesota
																										8	Mississippi
1						1																				3	Creighton
			8								1															9	Rutgers
			1		8																					10	St. Johns
					7	1		1																		12	Buffalo
					8																					9	Albany
			1			11					1			1												16	North Carolina
							9								1											11	North Dakota
								5																		3	Cincinnati
									8																	6	Toledo
																	1									9	Oklahoma
			1					2			3															7	Duquesne
			3		2						16									1						23	Philadelphia
			2								8															10	Temple
													3													6	Rhode Island
	1		2	1				3						10		1				2				1		29	Med. U. of S.C.
														5												5	South Carolina
																3										3	Tennessee
																	3									3	Texas Southern
					1	3		1	2	1	1						12	2				2		3		38	Texas-Austin
																		11				1				12	Utah
					5			1			3			1						9		1				21	Va. Commonwealth
1							1			1								2				6				14	Washington
																								3		3	Wisconsin
2	1	1	25	1	35	20	12	23	10	2	42	2	3	18	3	5	18	16	0	12	0	12	1	10	0	661	TOTAL

TABLE 40:

FALL 1990 ENROLLMENTS IN GRADUATE DEGREE (M.S., PH.D.) PROGRAMS OF U.S. CITIZENS AND PERMANENT RESIDENTS BY SCHOOL AND STATE OR U.S. TERRITORY OF RESIDENCE
(includes only those students who are U.S. citizens or permanent residents for whom state or U.S. territory of residence was reported)

COLLEGE	STATE	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	GU	HI	ID	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO	MT
Auburn	AL	10									1	2									1				1		1		
Arizona	AZ			61		2	2		1		1			1										1	3				
Arkansas	AR				5																								
California	CA					41		1								2	2					1	1	8	5	1			
Southern Cal.	CA					14	1																	1					
Colorado	CO						11																						
Connecticut	CT							15	1													1							
Howard	DC																						1						
Florida A & M	FL										16																		
Florida	FL					1					14							1			1			2				1	1
Mercer	GA										1																		
Georgia	GA	1						1				9				2								1					
Idaho State	ID					1									10														
Illinois	IL						1					1				27							1		1				
Butler	IN																1												
Purdue	IN	1		1	1	2	1		1		2	1		1		5	26	1	1	1	1	1	1		8	1		3	1
Iowa	IA					1		1								6	1	20	1										
Kansas	KS				2	3	2	2									1	3	31								3	6	1
Kentucky	KY				1	1						1		1		1	2			14							1		
N.E. Louisiana	LA																				12								
Maryland	MD			1		2		1		2							2	1	1				26		2				
Massachusetts	MA						1									1							1	14					
Michigan	MI			1		2	1									2		2	2				2	2	18		1		
Wayne State	MI																								2				
Minnesota	MN					1					2					1		1	2				1			19			
Mississippi	MS	4					1				1					2					1				1		11		
Missouri-KC	MO															1			11						1			30	
Nebraska	NB					1																							
Rutgers	NJ							1								1													
New Mexico	NM							1									1				2				1		1	1	
A & M Schwartz	NY																												
St. John's	NY							1																					
Buffalo	NY											1					1						1						
North Carolina	NC				1											2			1			1							
North Dakota	ND																												
Cincinnati	OH							1												2									
Toledo	OH																												
Oklahoma	OK																												
Oregon State	OK					1																							
Duquesne	PA																												
Philadelphia	PA								2						1	1							1			3			
Piztsburgh	PA																												
Rhode Island	RI					1		1																7					
South Caroline	SC				1																		1			1			
Tennessee	TN																												
Houston	TX				1						1	1							1		1			1		1		1	
Texas-Austin	TX						3							1			1				1				1				
Utah	UT				2	3	1	2								2				1									
Va. Commonwealth	VA										1																		
Washington	WA			1		2						1				1	3								1	3			1
Washington State	WA					2																							
West Virginia	WV																												
Wyoming	WY					1		1								6			1		1				2				
TOTAL		16	0	65	14	82	25	29	5	2	40	17	0	4	11	63	41	29	52	18	21	4	37	37	47	29	18	42	4

NB	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA	PR	RI	SC	SD	TN	TX	UT	VT	VA	VI	WA	WV	WI	WY	TOTAL	COLLEGE
						1		1															1			20	Auburn
			1	2	2		1	2		1	5				1									1		88	Arizona
																										5	Arkansas
			1		1			3		1	1						2					1				72	California
																				1		1				18	Southern Cal.
											2		1			1										15	Colorado
					3						1	1	2											1		25	Connecticut
						1																				2	Howard
					1																1					18	Florida A & M
									1		1															23	Florida
																										1	Mercer
1			2														1			1						19	Georgia
																										11	Idaho State
	1																					1				33	Illinois
																										1	Butler
					2		2	8			10	5			1	1	3		1	1		1		1	1	98	Purdue
			1								1						1									33	Iowa
1		1			2	1		1			4				2		1					1				68	Kansas
					4	1		5			2						1		1				1			36	Kentucky
																										13	N.E. Louisiana
			4	1	2	1		1	1		6						1			1						56	Maryland
		1	1								1															20	Massachusetts
			4		3			3								1								1		45	Michigan
																										2	Wayne State
1								1						1	1									4		35	Minnesota
1											1					2			1							26	Mississippi
																										43	Missouri-KC
4					4																		1			10	Nebraska
			11					1																		14	Rutgers
															1											8	New Mexico
					27																					27	A & M Schwertz
			1		25						1															28	St. Johns
					19	1																	1			24	Buffalo
			2		3	30					3		2				1						1	1		48	North Carolina
							1																			1	North Dakota
								15			1															19	Cincinnati
								4																		4	Toledo
1				1					6																	8	Oklahoma
										5														1		7	Oregon State
											6															6	Duquesne
1			6		2						21									1						39	Philadelphia
											11		1													12	Pittsburgh
			4										13													26	Rhode Island
					1				1					4			1			1		1			1	13	South Carolina
											1					6										7	Tennessee
				1						1	2	1					17					1				31	Houston
2			2	1	2						2	1					41							1		59	Texas-Austin
			1		3			1									1	23					1	1		42	Utah
											2									4						7	Va. Commonwealth
								1			2						2			1		6				25	Washington
																						2				4	Washington State
																							6			6	West Virginia
1			1		2			2			2	1												28		49	Wyoming
13	1	2	42	6	108	36	4	49	9	8	89	9	19	5	6	11	73	23	3	12	1	15	12	39	3	1350	TOTAL

TABLE 41: FALL 1990 ENROLLMENTS OF NON-PERMANENT RESIDENTS IN ENTRY-LEVEL DEGREE PROGRAMS BY COUNTRY OF ORIGIN
(includes only those non-permanent resident students for whom country of origin was reported)

Bahamas	3	Guyana	6	Pakistan	12
Bangladesh	4	Haiti	6	Panama	2
Barbados	5	Honduras	1	Peru	1
Belgium	2	Hong Kong	91	Philippines	4
Bolivia	3	India	75	Poland	2
Botswana	2	Indonesia	4	Portugal	1
Brazil	1	Iran	125	Saudi Arabia	4
British W Indies	1	Iraq	2	Sierra Leone	2
Burma	1	Ireland	1	Singapore	4
Cambodia	1	Israel	5	Somalia	2
Cameroon	26	Ivory Coast	1	South Africa	4
Canada	185	Jamaica	21	Spain	1
China (Taiwan)	27	Japan	2	Sri Lanka	1
China (Peoples)	28	Jordan	16	Sudan	1
Columbia	1	Kenya	12	Syria	3
Costa Rica	1	Korea	20	Tanzania	7
Cyprus	7	Kuwait	4	Thailand	4
Czechoslovakia	1	Laos	3	Trinidad & Tobago	10
Denmark	1	Lebanon	43	Turkey	2
Ecuador	1	Liberia	1	Uganda	5
Egypt	9	Malawi	2	U.S.S.R.	6
Ethiopia	21	Malaysia	23	Venezuala	1
France	1	Morocco	2	Vietnam	55
Germany	1	Netherlands	2	Yemen	1
Ghana	9	Netherlands Antilles	1	Zaire	1
Great Britain	14	New Zealand	2	Zambia	2
Greece	4	Nigeria	144	Zimbabwe	1
Grenada	2	Norway	1		
				TOTAL	1118

TABLE 42: FALL 1990 FULL-TIME ENROLLMENTS OF NON-PERMANENT RESIDENTS IN GRADUATE DEGREE PROGRAMS BY COUNTRY OF ORIGIN
(includes only those non-permanent resident students for whom country of origin was reported)

Afghanistan	1	Iceland	1	Pakistan	23
Argentina	2	India	337	Panama	2
Bahamas	1	Indonesia	9	Peru	1
Bangladesh	17	Iran	16	Philippines	6
Belgium	2	Iraq	4	Poland	1
Bolivia	1	Ireland	2	Portugal	1
Brazil	2	Israel	4	Saudi Arabia	2
British W Indies	1	Italy	3	Singapore	1
Cameroon	2	Ivory Coast	1	South Africa	3
Canada	19	Jamaica	1	Spain	3
China (Taiwan)	136	Japan	7	Sri Lanka	3
China (Peoples)	250	Jordan	4	Sudan	1
Czechoslovakia	1	Kenya	4	Swaziland	2
Denmark	2	Korea	61	Sweden	1
Dominican Republic	1	Kuwait	1	Switzerland	1
Egypt	11	Lebanon	5	Syria	3
Ethiopia	6	Malaysia	10	Tanzania	4
France	4	Mexico	8	Thailand	31
Germany	5	Nepal	1	Turkey	5
Ghana	5	Netherlands	4	Uganda	1
Great Britain	8	Netherlands Antilles	1	United Arab Em	1
Greece	12	New Zealand	2	Venezuela	1
Guatemala	1	Niger	4	Vietnam	2
Guyana	1	Nigeria	18	Yugoslavia	1
Haiti	1	Norway	1	Zaire	1
Hong Kong	16				
				TOTAL	1118

TABLE 43: SUMMARY OF PARTICIPATION IN POST-GRADUATE TRAINING PROGRAMS BY SCHOOL, TYPE OF TRAINING PROGRAM, AND GENDER

	POST-PH.D RESEARCH FELLOWSHIP			POST PHARM.D. RESEARCH FELLOWSHIP			POST-B.S./PHARM.D. RESIDENCY			TOTAL
COLLEGE	M	F	TOT	M	F	TOT	M	F	TOT	
Auburn	0	1	1	0	0	0	0	0	0	1
Arizona	3	1	4	0	3	3	2	5	7	14
Arizona	4	9	13	5	5	10	0	2	2	25
California	58	27	85	3	2	5	10	25	35	125
Pacific	1	0	1	0	0	0	0	0	0	1
Southern California	9	1	10	1	2	3	1	14	15	28
Connecticut	2	4	6	0	0	0	0	0	0	6
Howard	0	0	0	0	0	0	0	1	1	1
Florida A & M	2	0	2	0	0	0	0	0	0	2
Florida	13	5	18	1	1	2	1	1	2	22
Mercer	0	0	0	0	0	0	1	5	6	6
Georgia	9	5	14	2	0	2	0	0	0	16
Illinois	17	8	25	0	0	0	0	0	0	25
Purdue	17	12	29	0	0	0	1	0	1	30
Iowa	6	0	6	1	1	2	0	0	0	8
Kansas	26	6	32	0	0	0	0	0	0	32
Kentucky	7	3	10	1	1	2	7	7	14	26
Northeast Louisiana	1	0	1	0	0	0	0	0	0	1
Maryland	3	1	4	0	0	0	0	0	0	4
Northeastern	7	3	10	0	0	0	0	0	0	10
Michigan	12	7	19	0	2	2	1	4	5	26
Wayne State	0	0	0	2	2	4	0	0	0	4
Minnesota	1	2	3	5	3	8	7	10	17	28
Missouri-KC	0	0	0	1	1	2	0	0	0	2
Montana	0	1	1	0	0	0	0	0	0	1
Nebraska	0	0	0	0	0	0	3	1	4	4
New Mexico	1	1	2	0	0	0	0	0	0	2
Buffalo	8	11	19	0	0	0	0	0	0	19
North Carolina	3	2	5	5	6	11	0	0	0	16
North Dakota	1	0	1	0	0	0	0	0	0	1
Ohio State	12	0	12	0	7	7	0	0	0	19
Cincinnati	1	0	1	2	1	3	0	0	0	4
Toledo	10	3	13	0	0	0	2	3	5	18
Oklahoma	5	1	6	1	0	1	0	2	2	9
Oregon State	1	1	2	0	0	0	0	0	0	2
Philadelphia	0	0	0	0	2	2	0	1	1	3
Med. U. of S.C.	0	0	0	0	0	0	6	8	14	14
South Carolina	2	1	3	0	0	0	0	0	0	3
Texas-Austin	8	2	10	3	4	7	1	7	8	25
Utah	17	1	18	0	0	0	0	0	0	18
Va. Commonwealth	5	1	6	0	4	4	0	0	0	10
Washington	17	20	37	0	0	0	6	8	14	51
TOTAL	289	140	429	33	47	80	49	104	153	662

FIGURE G: SUMMARY OF ENROLLMENTS (TOTAL, FINAL THREE YEARS) IN ENTRY-LEVEL DEGREE PROGRAMS, 1980-1990

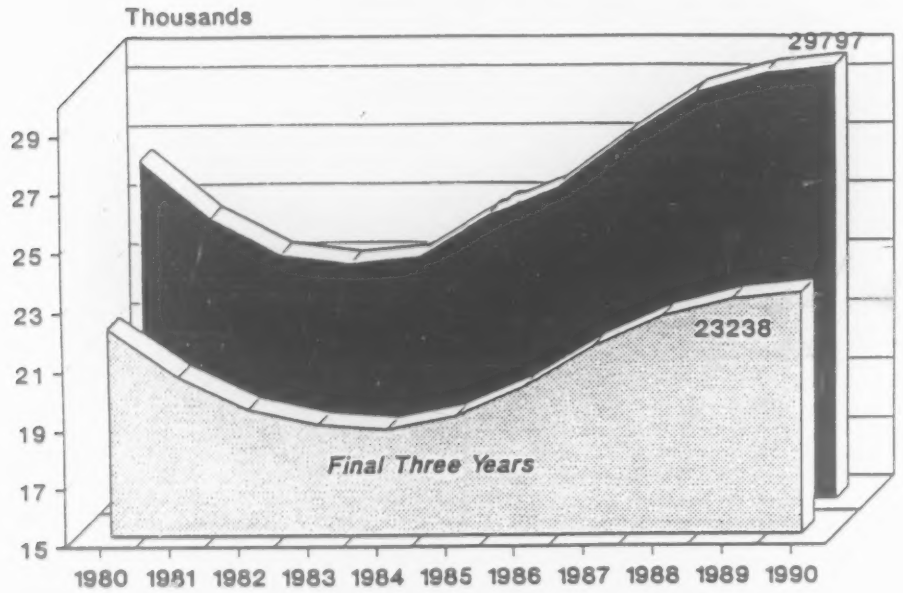


FIGURE H: SUMMARY OF ENROLLMENTS IN ENTRY-LEVEL DEGREE PROGRAMS BY GENDER, 1980-1990

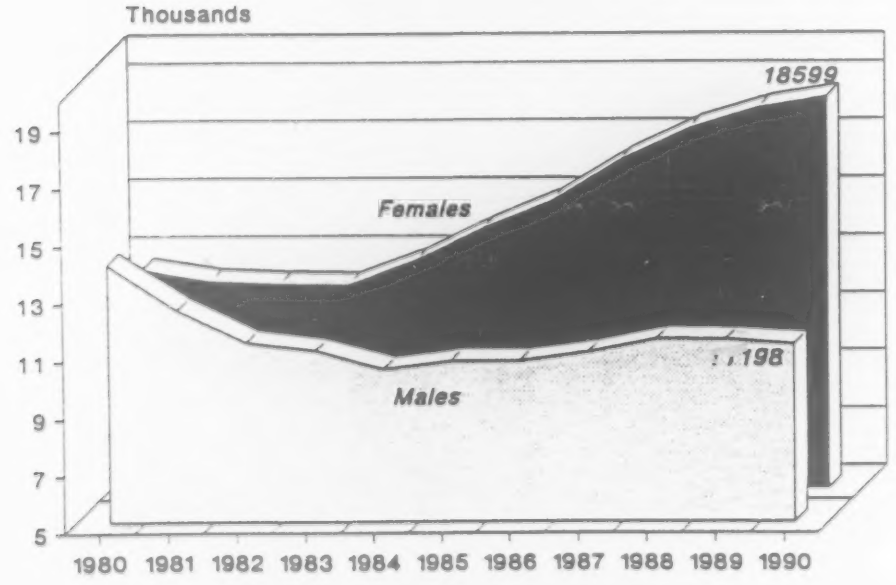


FIGURE I: SUMMARY OF ENROLLMENTS IN ENTRY-LEVEL DOCTOR OF PHARMACY DEGREE PROGRAMS, 1980-1990

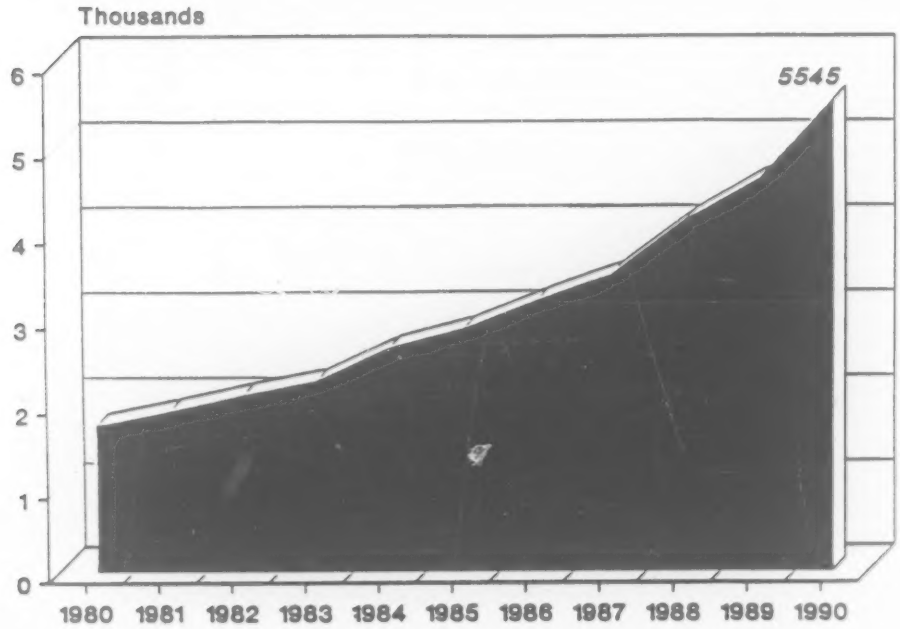


FIGURE J: SUMMARY OF ENROLLMENTS IN BACCALAUREATE DEGREE PROGRAMS, 1980-1990

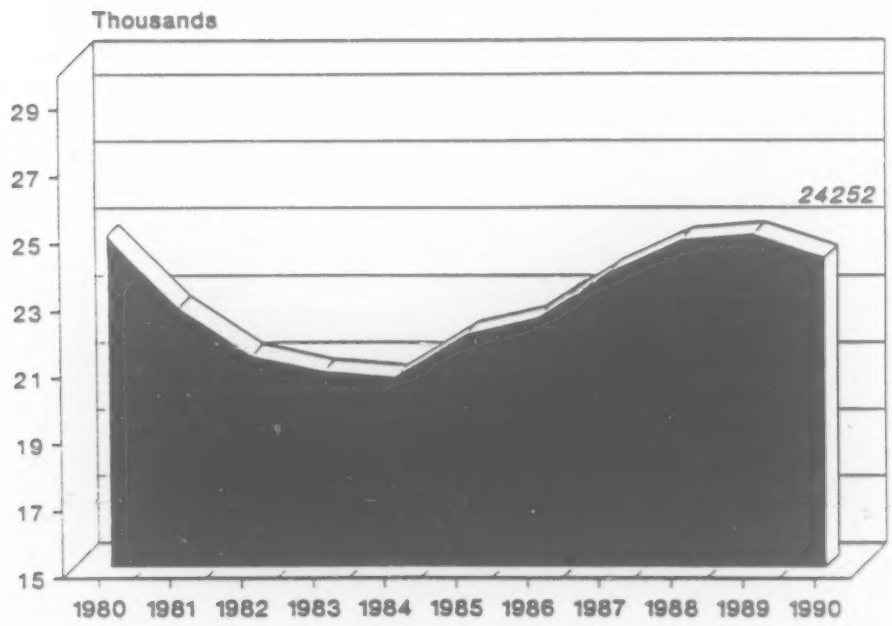


FIGURE K: ENROLLMENTS IN ENTRY-LEVEL DOCTOR OF PHARMACY DEGREE PROGRAMS AS A PERCENTAGE OF TOTAL ENTRY-LEVEL ENROLLMENTS, 1980-1990

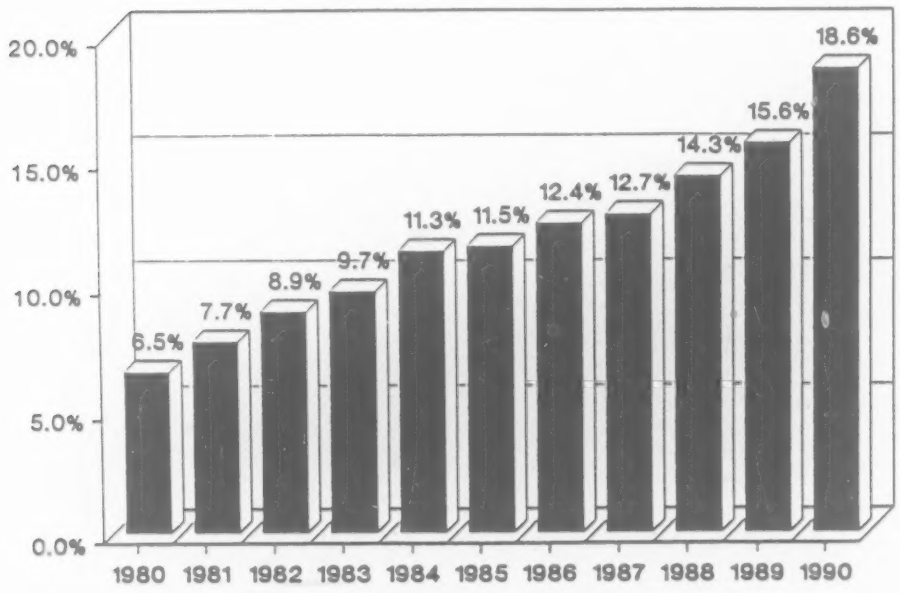


FIGURE L: STUDENTS WITH AN ENTRY-LEVEL PHARMACY DEGREE ENROLLED IN DOCTOR OF PHILOSOPHY DEGREE PROGRAMS AS A PERCENTAGE OF TOTAL (FULL-TIME, PART-TIME) DOCTOR OF PHILOSOPHY ENROLLMENTS, 1980-1990

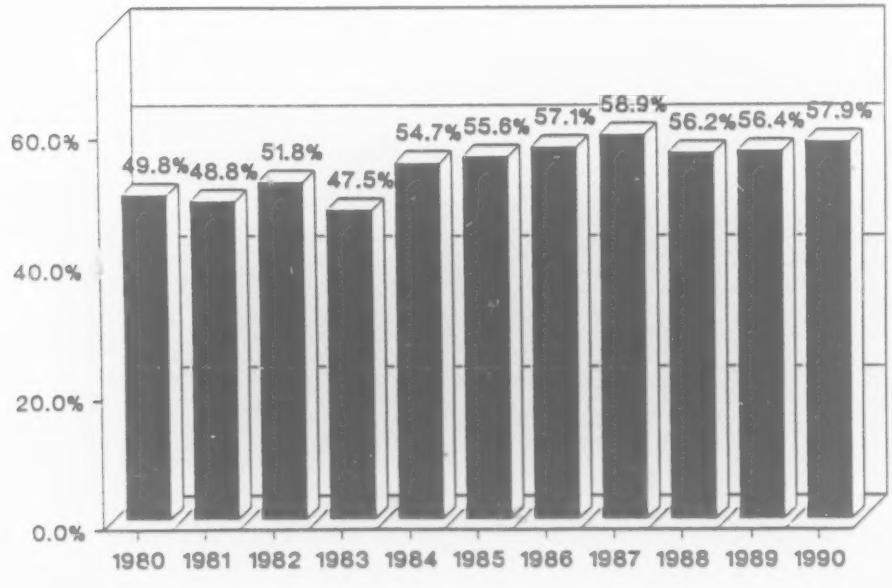
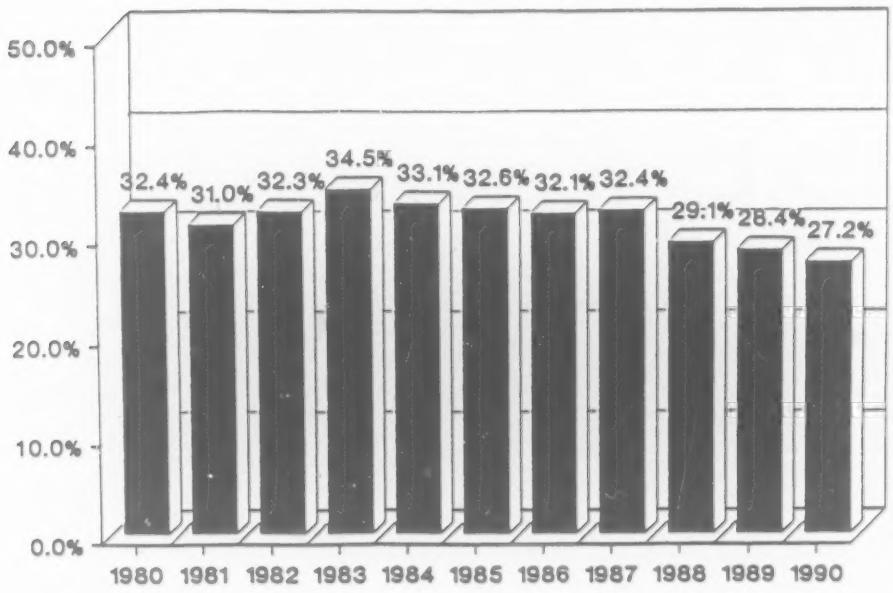


FIGURE M: STUDENTS WITH AN ENTRY-LEVEL PHARMACY DEGREE FROM A U.S. SCHOOL OF PHARMACY ENROLLED IN DOCTOR OF PHILOSOPHY DEGREE PROGRAMS AS A PERCENTAGE OF TOTAL (FULL-TIME, PART-TIME) DOCTOR OF PHILOSOPHY ENROLLMENTS, 1980-1990



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